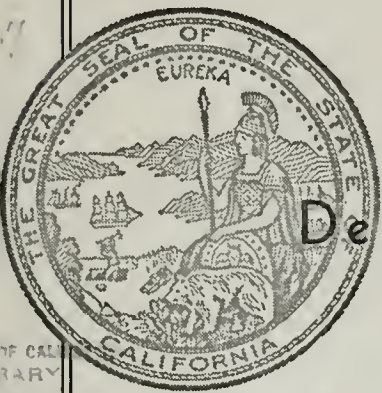


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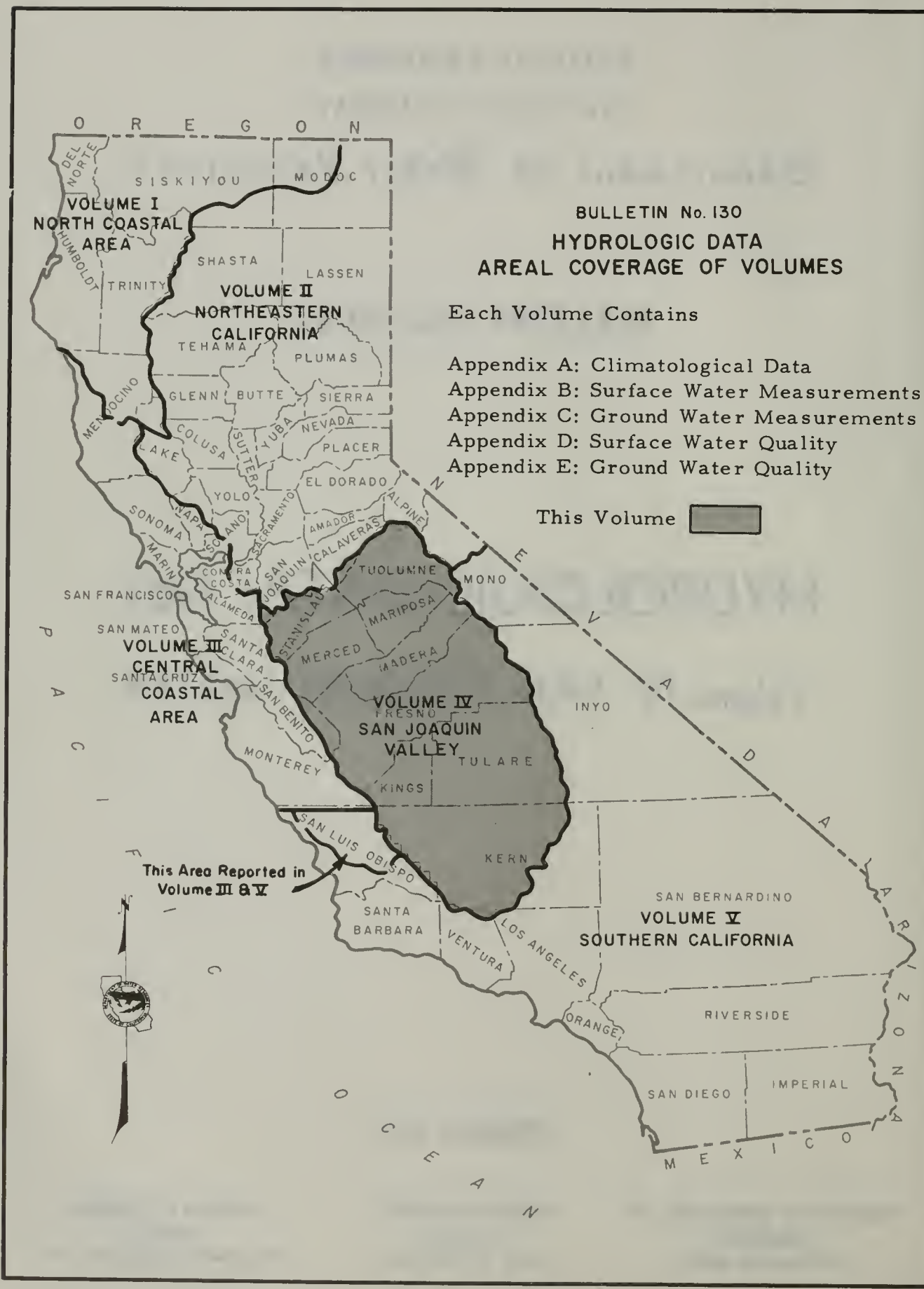
Volume IV: SAN JOAQUIN VALLEY

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BULLETIN No. 130
 HYDROLOGIC DATA
 AREAL COVERAGE OF VOLUMES

Each Volume Contains

- Appendix A: Climatological Data
- Appendix B: Surface Water Measurements
- Appendix C: Ground Water Measurements
- Appendix D: Surface Water Quality
- Appendix E: Ground Water Quality

This Volume

This Area Reported in
 Volume III & V

FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-67 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.

William R. Gianelli

William R. Gianelli, Director
Department of Water Resources
State of California

July 19, 1968

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT	
Inch (in)	2.54	Centimeters
Foot (ft)	0.3048	Meter
Mile (mi)	1.609	Kilometers
Acre	0.405	Hectare
Square mile (sq. mi.)	2.590	Square kilometer
U. S. gallon (gal)	3.785	Liters
Acre-foot (acre-ft)	1,233.5	Cubic meters
U. S. gallon per minute (gpm)	0.0631	Liters per second
Cubic feet per second (cfs)	1.699	Cubic meters per minute
1 part per million (ppm)		Milligram per liter (mg/l)
1 part per billion (ppb)		Microgram per liter (ug/l)
1 part per trillion (ppt)		Nanogram per liter (ng/l)
1 equivalent per million (epm)		Milliequivalent per liter (me/l)

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1	Ground Water Level Changes, Unconfined and Semiconfined Aquifers, and Selected Observation Wells
2	Ground Water Level Changes, Confined and Semiconfined Aquifers, and Cooperative Program Areas
3	Map of 18 Historic Ground Water Areas in San Joaquin Valley and Profiles Along Section A-A' Showing Ground Water Levels in 1921, 1951, 1967
4	Lines of Equal Elevation of Water in Wells, San Joaquin Valley, Spring 1967

State of California
The Resources Agency
Department of Water Resources

RONALD REAGAN, Governor
WILLIAM R. GIANELLI, Director, Department of Water Resources

This report prepared under the direction of
JOHN R. TEERINK, Deputy Director

by the

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Reviewed and coordinated by Division of Resources Development,
Planning Formulation and Coordination Office,
Water Resources Evaluation Branch

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U. S. Weather Bureau
U. S. Bureau of Reclamation
U. S. Army Corps of Engineers
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City and County of San Francisco
City of Modesto
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Kern County Land Company
Buena Vista Water Storage District
Modesto Irrigation District
Turlock Irrigation District
Oakdale Irrigation District
Merced Irrigation District
Fresno Irrigation District
Kings River Water Association
Central California Irrigation District
Tule River Association
Fresno County Health Department
Kern County Health Department
Tulare County Health Department
Kern County Parks and Recreation

ABSTRACT

Report contains tables showing data on climate, surface water flow, ground water levels, ground water recharge, and surface and ground water quality in the San Joaquin Valley for the 1966-67 water year. Figures show location of climatological, surface water, and surface water quality measurement stations; fluctuation of water levels in selected wells and areas; and electrical conductance at selected stations. Plates show lines of equal elevation of water in wells, spring 1967; profile of ground water levels; cooperative study area; ground water level changes; and well locations.

APPENDIX A
CLIMATOLOGICAL DATA

INTRODUCTION

This appendix summarizes monthly precipitation, temperature, wind movement, and evaporation data for the San Joaquin Valley from July 1, 1966 to September 30, 1967. Storage gage precipitation data are annual values. Thirty-two cooperating agencies and 93 local observers supplied the data for the 352 stations reported. Detailed daily and hourly data for some stations, not published here, are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected annually or semiannually to see that the equipment is properly maintained and that observations generally are taken in accordance with U. S. Weather Bureau standards.

Each station in this appendix has been assigned an identification number. The first two digits denote the drainage basin as shown below. The remaining digits denote the alphabetical sequence of the station.

HYDROGRAPHIC AREA B

SAN JOAQUIN RIVER BASIN

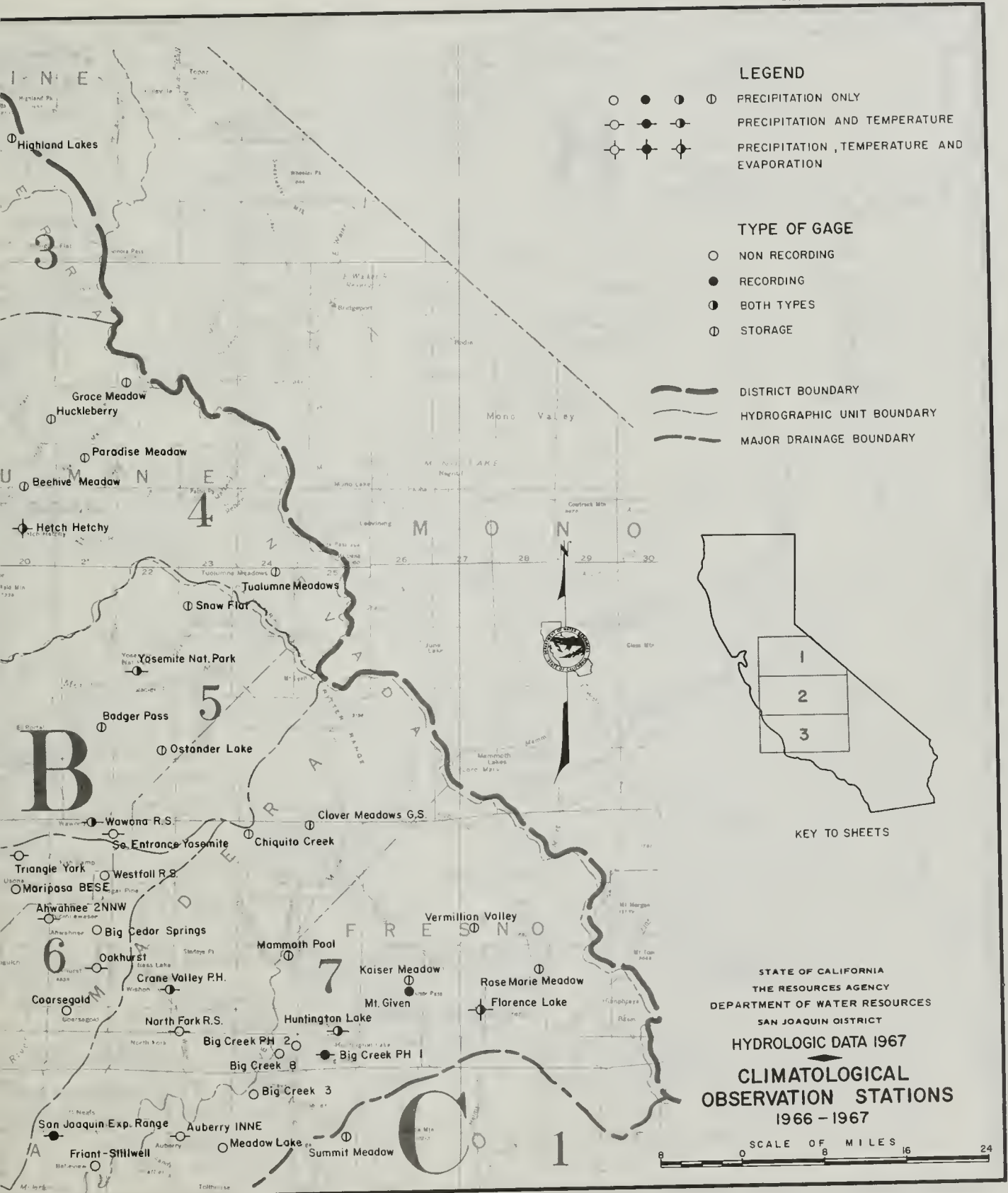
- B0 - San Joaquin Valley Floor
- B3 - Stanislaus River
- B4 - Tuolumne River
- B5 - Merced River
- B6 - Fresno-Chowchilla Rivers
- B7 - San Joaquin River
- B8 - San Joaquin Valley on West Side

HYDROGRAPHIC AREA C

TULARE LAKE DRAINAGE BASIN

- C0 - Tulare Lake Valley Floor
- C1 - Kings River
- C2 - Kaweah River
- C3 - Tule River
- C4 - Greenhorn Mountains
- C5 - Kern River
- C6 - Tehachapi Mountains
- C7 - Tulare Lake Basin on West Side





LEGEND

- ● ○ ⊕ PRECIPITATION ONLY
- ● ○ ⊕ PRECIPITATION AND TEMPERATURE
- ● ○ ⊕ PRECIPITATION, TEMPERATURE AND EVAPORATION

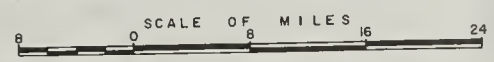
TYPE OF GAGE

- NON RECORDING
- RECORDING
- ⊕ BOTH TYPES
- ⊕ STORAGE

- DISTRICT BOUNDARY
- HYDROGRAPHIC UNIT BOUNDARY
- MAJOR DRAINAGE BOUNDARY

KEY TO SHEETS

STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 SAN JOAQUIN DISTRICT
 HYDROLOGIC DATA 1967
**CLIMATOLOGICAL
 OBSERVATION STATIONS
 1966 - 1967**







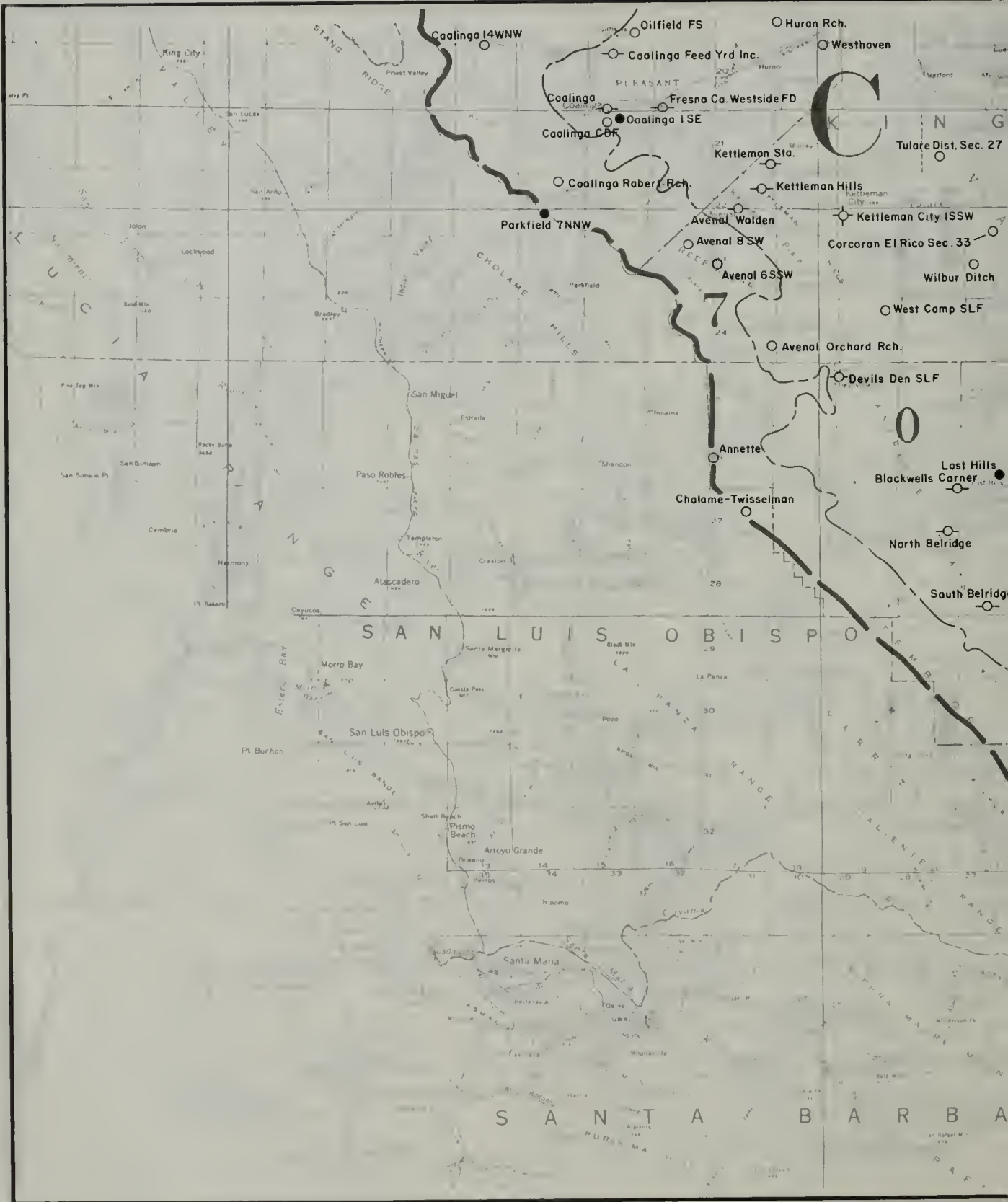




TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS

An explanation of the column headings and code symbols used in connection with this table follows:

40-Acre Tract. This denotes the location of the station within the section in which it is located. The letter code is derived from the following diagram:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Base and Meridian. The code for this column is as follows:

- M - Mount Diablo Base and Meridian
- S - San Bernardino Base and Meridian

Cooperators' Numbers. These numbers are assigned from the following list:

- 000 - Private Cooperators
- 001 - 399 Private Agencies
 - 001 Kern County Land Company
 - 002 Boswell Company
 - 003 P. G. and E. Company
 - 004 Southern California Edison Company
 - 005 California Electric Power Company
 - 010 Amateur Radio Weather Network KTRB
 - 011 Southern Pacific Company
 - 012 Miller and Lux, Inc.
 - 013 Mr. Roger C. Rice
- 400 - 799 Counties and municipalities
 - 401 Hetch Hetchy Water District
 - 404 Oakdale Irrigation District
 - 405 City of Los Angeles, Department of Water & Power
 - 420 Stanislaus County
- 800 - 899 State
 - 801 Pomology Department, University of California, Davis
 - 804 Division of Beaches and Parks
 - 805 State Department of Fish and Game
 - 806 Department of Water Resources, Land & Water Use
 - 808 Division of Forestry
 - 809 Division of Highways
 - 812 Regional Subsidence Exploration, Department of Water Resources

TABLE A-1 (Continued)

814	University of California, Davis, Westside Field Station
815	University of California, School of Forestry
900 - 999	Federal
900	U. S. Weather Bureau (Climate Data)
902	U. S. Air Force, Air Weather Service
903	U. S. Army Corps of Engineers, Sacramento
904	U. S. Bureau of Reclamation
905	U. S. Forest Service
906	U. S. Department of Agriculture, Agricultural Research Service
907	State Climatologist & Unpublished (U.S.W.B.)
916	U. S. Geological Survey

Cooperators' (Coop) Index Numbers. These are the numbers assigned to the stations by the agencies responsible for handling the station records. With few exceptions, the alpha order numbers assigned to the U. S. Weather Bureau stations are the same as those used by the Weather Bureau. The U. S. Weather Bureau station number is shown in this column only when it differs from the alpha order number.

Record Began. This is shown to year only.

Record Ended. If record continues this column is left blank.

Years Missing. This denotes missing record to the nearest full year.

County Code. Numbers used to designate specific counties are listed below:

Alpine	02
Calaveras	05
Fresno	10
Inyo	14
Kern	15
Kings	16
Madera	20
Mariposa	22
Merced	24
San Benito	35
San Joaquin	39
San Luis Obispo	40
Stanislaus	50
Tulare	54
Tuolumne	55
Ventura	56

TABLE A- 2

PRECIPITATION DATA

The definition of terms and abbreviations used in connection with this table are as follows:

- No record or record incomplete.
- * Amount included in the following measurement. Time distribution unknown.
- E Wholly or partially estimated.
- T Trace, an amount too small to measure.
- V Includes total from previous month.
- RB Record begins.
- RE Record ends.

Precipitation values are shown to the nearest hundredth (.01) of an inch, except where Fischer & Porter recording rain gages are used, these values are shown to the nearest tenth (.1) of an inch.

TABLE A-2
PRECIPITATION DATA
SAN JOAQUIN VALLEY

Station Name	Precipitation in Inches												Total Oct.1 To Sept.30			
	1966						1967									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN JOAQUIN R BASIN	14.86		0.02	0.00	1.93	2.66	2.94	0.23	1.62	4.93	0.07	0.46	0.00			14.84
SAN JOAQ VAL FL	12.89		T	0.00	1.59	2.22	2.98	0.17	1.70	3.95	0.12	0.16	0.00			12.98
ATWATER-CRAIG	12.16		0.00	0.00	1.68	3.00	2.41	0.15	1.58	3.24	0.10	0.00	0.00			12.16
CASTLE AFB	17.28		0.01	0.00	2.05	2.63	3.39	0.70	2.57	5.07	0.16	0.63	0.00			17.23
DELTA RCH	15.96E		T ^E	0.00	1.87	2.52	2.89	0.40	2.08	5.42	0.54	0.23	0.00			16.02
DENAIR 3 NNE	18.62		0.00	0.00	2.61	3.85	3.21	0.57	2.18	5.40	0.22	0.58	0.00			18.62
DENAIR-DAVISON RCH	12.72		0.00	0.00	1.85	2.21	4.17	0.14	1.82	1.91	0.10	0.25	0.00			12.72
EL SOLYO RCH	16.72		T	0.00	2.10	2.77	4.23	0.38	2.36	4.12	0.13	0.59	0.00			16.70
ESCALON SWANSON	17.72E		T	0.00E	2.27	3.26	3.23	0.69	2.03	5.49	0.35	0.32	0.00E			17.64E
FANCHER RCH CAMP 3	8.24		T	0.00	0.81	2.08	1.63	0.16	0.97	2.34	0.17	0.00	0.00			8.21
FIREBAUGH 9 W	15.27		T	0.00	1.75	3.65	4.18	0.35	1.72	3.33	0.05	0.17	0.00			15.20
GUSTINE 5 SW	15.21		0.00	0.00	1.81	3.00	4.44	0.26	2.00	2.21	0.47	0.16	0.00			15.15
GUSTINE SNYDER	14.44		0.00	0.00	1.79	2.46	4.36	0.42	1.95	3.23	0.05	0.12	0.00			14.38
GUSTINE FOREMOST	14.52		T	0.00	1.74	3.21	4.09	0.36	1.73	2.63	0.48	0.23	0.00			14.49
GUSTINE 7 SSW	13.32E		0.00E	0.00E	1.15	1.85	3.42	0.29	2.09	3.65	0.41	0.40	0.00			13.26E
HILMAR	24.26		0.00	0.00	3.34	4.01	4.46	0.81	3.17	6.98	0.51	0.89	0.00			24.19
KNIGHTS FERRY 2 SE	17.07		0.03	0.00	2.07	3.70	3.11	0.43	1.85	4.96	0.62	0.21	0.00			16.99
LE GRAND	16.37		0.00	0.00	2.22	3.11	3.00	0.53	2.10	4.53	0.77	0.03	0.00			16.29
LE GRAND 6 N	13.82		T	0.00	1.98	2.13	3.16	0.71	1.68	4.23	0.12	0.11	0.00			13.82
LIVINGSTON CITY HALL	12.86		0.00	0.00	1.58	2.18	2.78	0.45	1.40	3.80	0.05	0.42	0.00			12.82
LIVINGSTON 5 W	9.16E		0.00	0.00	0.74	2.60	1.74	0.09	1.08	2.43	0.06E	0.06	0.00			8.84E
LOS BANOS 5 S	10.25		0.00	0.00	1.14	2.83	2.00	0.19	0.98	2.70	0.07	0.17	0.00			10.12
LOS BANOS FIELD STA	11.52		0.00	0.00	1.67	2.88	2.10	0.30	1.17	3.03	0.06	0.08	0.00			11.31
LOS BANOS	13.56		0.00	0.00	1.41	3.23	2.46	0.21	1.60	4.22	0.22	0.20	0.00			13.56
MADERA ID YARD	16.72		0.00	0.00	1.90	3.29	3.51	0.02	1.72	5.47	0.20	0.45	0.00			16.66
MADERA	16.39		0.00	0.00	2.81	2.71	5.44	0.19	1.87	2.71	0.10	0.36	0.00			16.23
MANTECA	9.70		0.11	0.00	0.89	2.31	1.69	0.14	1.51	2.81	0.07	0.02	0.00			9.53
MENDOTA 1 NNW	10.72		0.00	0.00	0.70	2.84	1.59	0.08	1.78	3.43	0.05	0.00	0.00			10.61
MENDOTA DAM	8.19E		0.00	0.00	0.50	2.45E	1.22	0.16	1.27	2.47	0.08	0.00	0.00			8.16E
MENDOTA VDL FARMS	15.98		0.07	0.00	1.88	2.85	2.78	0.38	2.53	4.60	0.73	0.16	0.00			15.97
MERCED FIRE STA 2	16.00		T	0.00	1.83	2.87	2.63	0.88	2.41	4.56	0.44	0.38	0.00			16.15
MERCED S P	17.59		0.01	0.00	2.01	3.33	2.84	0.48	2.38	5.49	0.43	0.42	0.00			17.34
MERCED S SE	17.60E		0.00	0.00E	2.07	2.75	3.01	0.74	2.12	5.75	0.35	0.70	0.00			17.49E
MERCED FANCHER RCH	15.40		0.08	0.00	1.93	2.72	2.73	0.51	2.29	4.28	0.72	0.14	0.00			15.32
MERCED 2	14.68		T	0.00	1.68	2.26	4.36	0.21	2.58	2.93	0.15	0.46	0.00			14.63
MODESTO			0.00	0.00	1.68	2.26	4.36	0.21	2.58	2.93	0.15	0.46	0.00			14.63

TABLE A-2 (Cont.)

PRECIPITATION DATA
SAN JOAQUIN VALLEY

Station Name	Precipitation in Inches												Total July 1 To Sept. 30			
	1966						1967									
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June		July	Aug.	Sept.
MODESTO KTRB	13.44	0.05	0.00	0.00	1.47	2.07	3.61	0.20	2.26	3.10	0.09	0.59	0.00	0.00	0.00	13.39
MODESTO 2	13.77	0.04	0.00	0.00	1.45	2.19	4.44	0.20	2.51	2.33	0.22	0.39	0.00	0.00	0.00	13.73
NEWMAN 2 NW	13.59	0.11	T	0.00	1.71	2.38	4.35	0.32	1.88	2.58	0.03	0.23	0.00	0.00	T	13.48
OAKDALE	20.21	0.06	0.00	0.00	2.48	3.06	4.32	0.40	2.91	5.83	0.28	0.87	0.00	0.00	0.02	20.17
OAKDALE WOODWARD DAM	16.97 E	0.07	T	0.00	2.23	2.52	3.81	0.38	2.33	4.91	0.22 E	0.50 E	0.00 E	0.00 E	0.02 E	16.92 E
ORESTIMBA	12.22	0.10	0.00	0.00	1.48	2.01	3.68	0.34	1.74	2.69	0.03	0.15	0.00	0.02	0.02	12.14
PANOCHÉ CREEK	7.33	0.13	0.01	0.00	0.53	2.49	1.21	0.12	0.38	2.24	0.18	0.04	0.00	0.10	0.10	7.28
PANOCHÉ WATER DIST	7.36	0.00	0.13	0.00	0.56	2.03	1.59	0.08	0.80	2.12	T	0.05	0.00	0.03	7.26	
PATTERSON	13.19	0.17	0.00	0.00	1.45	2.53	3.94	0.15	2.32	2.52	0.03	0.08	0.00	0.01	13.03	
POSO CANAL CO HDQ	10.35	0.03	T	0.00	0.82	2.61	1.94	0.22	1.21	3.22	0.02	0.28	0.00	T	10.32	
RIPON	16.94	0.12	0.03	0.00	2.70	2.67	5.34	0.24	2.16	2.99	0.15	0.54	0.00	0.04	16.83	
SAN JUAN RCH CO	12.18	0.00	T	0.00	1.52	2.80	2.43	0.15	1.58	3.55	0.00	0.15	0.00	0.00	12.18	
SAN LUIS CANAL CO HDQ	11.03	T	0.03	0.00	1.60	2.62	2.31	0.12	1.09	3.03	0.23	T	0.00	T	11.00	
SNELLING	18.12	0.02	0.00	0.00	2.16	3.30	3.03	0.68	2.78	5.44	0.43	0.18	0.00	0.08	18.08	
SNELLING 3 WNW	15.62	0.00	0.00	0.00	2.15	2.48	2.74	0.48	2.57	4.73	0.26	0.21	0.00	0.00	15.62	
SOUTH DOS PALOS	8.50 E	0.04	0.04	0.00	0.78	2.00	2.00	0.12	0.82	2.60	0.07	0.03	0.00	T	8.42	
TURLOCK	14.27	0.09	0.01	0.00	1.73	2.20	3.67	0.26	1.87	3.94	0.20	0.30	0.00	T	14.17	
TURLOCK 5 SW	19.25	0.08	0.15	0.00	1.65	2.40	5.95	0.45	3.50	4.47	0.30	0.30	0.00	0.00	19.02	
TURLOCK 8 WSW	12.99	0.06	0.00	0.00	1.42	2.18	2.98	0.30	1.61	4.02	0.27	0.15	0.00	0.00	12.93	
WESTLEY	12.75	T	0.00	0.00	1.83	2.28	4.37	0.15	1.97	1.62	0.14	0.20	0.00	0.00	12.56	
STANISLAUS RIVER																
ANGELS CAMP	49.24	0.13	0.28	0.00	7.55	8.48	8.77	0.67	10.02	10.25	RB	1.32	0.00	0.11	-	50.12
BEARDSLEY DAM	59.52	0.03	0.28	0.00	8.58	10.72	11.25	0.81	11.97	12.38	2.04	1.05	0.00	0.90	0.71	59.94
CALAVERAS RANGER STA	-	-	-	0.00 E	5.29	5.49	6.97	0.70	4.54	6.55	0.66	0.49	0.00	0.05	0.05	30.74 E
COPPERPOLIS	60.85	0.02	0.23	T	9.18	11.47	11.18	0.84	11.60	12.40	2.54	1.39	0.00	0.70	0.70	61.32
HUNTERS DAM																
MELONES DAM	37.65	0.05	T	0.00	6.04	6.16	6.67	0.99	5.31	10.51	0.78	1.14	0.00	0.00	0.05 E	37.65 E
PINECREST STRAWBERRY	61.47	0.25	0.36	0.00	10.19	8.65	10.72	0.87	15.27	12.42	1.89	0.85	0.00	1.83	0.93	63.62
PINECREST SUMMIT R S	-	0.28	0.31	0.00	9.95	6.59	6.97	0.76	6.99	-	*	v2.64	0.01	1.20	0.82	-
SPRING GAP FOREBAY	59.05 E	T	0.30	0.00	9.66 E	9.54	10.74	0.96	12.89	12.22	2.08	0.51	0.00	0.37	1.50	60.47 E
STANISLAUS P H	46.23	T	0.00	0.00	6.76	7.74	8.93	0.66	8.23	11.04	1.33	1.31	0.00	0.04	0.64	46.68
TULLOCH DAM	28.58	0.02	0.01	0.00	3.90	5.04	5.59	0.72	4.30	7.47	0.56	0.97	0.00	0.00	0.03	28.58
TUOLUMNE RIVER																
CHERRY VALLEY DAM	63.76	0.03	0.12	0.00	8.14	13.91	11.75	1.10	12.62	12.54	1.53	2.02	0.00	1.06	1.06	64.82
DON PEDRO RESERVOIR	27.64	0.10	0.06	0.00	4.61	4.61	4.33	0.74	4.14	7.54	0.89	0.58	0.00	0.00	0.08	27.56
EARLY INTAKE P H	36.87	0.05	0.23	0.00	6.41	6.35	5.90	0.85	7.37	10.14	0.75	0.86	0.00	0.00	0.19	38.78
GROVELAND 2	-	0.03	0.00	0.00	8.79	7.74	7.76	0.96	-	-	-	-	0.00	0.00	-	-
GROVELAND R S	52.14	0.05	0.62	0.00	8.08	8.56	9.27	1.03	10.32	12.24	1.03	0.94	0.00	0.50	0.81	52.78

TABLE A-2 (Cont.)
 PRECIPITATION DATA
 SAN JOAQUIN VALLEY

Station Name	Precipitation in inches												Total July 1 To June 30	1967					Total Oct. 1 To Sept. 30
	1966						1967												
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.			
HETCH HETCHY	0.01	0.00	0.38	0.00	6.60	8.47	7.54	0.58	8.83	12.49	1.26	1.56	T	0.60	0.88	48.81			
LAKE ELEANOR	0.06	0.00	0.15	0.00	7.48	11.40	10.70	0.90	9.10	10.30	1.50	1.55	0.02	0.09	1.00	54.04			
MATHER	T	0.00	0.63	0.00	6.64	7.93	6.56	0.67	8.44	11.30	1.06	0.96	0.00	1.25	1.03	45.84			
MOCCASIN	0.01	0.00	0.13	0.00	7.28	6.93	6.59	0.89	10.46	12.33	0.94	0.93	0.00	0.51	0.99	47.85			
SONORA R S	0.04	0.00	0.21	0.00	6.87	7.57	7.05	0.78	6.36	10.32	1.35	1.14	0.00	T	0.23	41.67			
MERCED RIVER																			
BEAR VALLEY	NR	NR	NR	0.00	5.13	6.17	4.99	1.00	6.14	8.63	1.12	1.45	0.00	0.00	0.25	30.45			
CATHEYS VALLEY 3 NNW	0.03	0.00	0.28	0.00	4.30	1.80	6.10	1.10	4.50	10.95	*	0.97	0.00	0.20	0.20	36.48			
COULTERVILLE FFS	0.05	0.00	0.36	0.00	5.15	5.31	4.57	0.81	7.77	10.71	0.99	0.66	0.00	0.00	0.65	48.73			
DUDLEYS	0.05	0.00	0.15	0.00	7.68	7.88	8.97	1.44	9.78	11.53	0.44	0.98	0.00	0.00	0.06	25.90			
EXCHEQUER RES	0.00	0.00	0.35	0.00	1.92	4.14	3.84	0.86	5.21	8.54	0.35	0.00	0.00	0.00	0.40	50.26			
GREELY HILL 1 N	0.00	0.00	0.07	0.00	7.32	8.15	8.95	1.10	10.61	11.57	1.55	0.61	0.00	0.00	0.16	29.99			
HORNITOS ERIKSON RCH	0.11	0.00	0.07	0.00	4.05	5.04	4.22	0.97	4.64	8.65	0.66	0.70	0.00	0.00	0.16	26.58			
HORNITOS GILES RCH	0.12	0.00	0.07	0.00	4.27	4.88	3.85	0.83	3.30	6.97	0.47	0.27	0.00	0.00	0.11	26.48E			
HORNITOS USCE																			
INDIAN GULCH																			
JERSEYDALE G S	T	0.00	0.64	0.00	5.85	7.16	6.04	0.90	7.62	10.30	1.14	0.89	0.00	0.00	0.61	40.51			
MARIPOSA	T	0.00	0.34	0.00	5.77	8.97	6.25	0.97	8.35	11.48	0.85	1.03	0.00	0.00	0.60	44.27			
MARIPOSA REYNOLDS	0.05	0.00	0.40	0.00	6.40	7.66	5.85	0.90	*	16.89E	1.12	0.60	0.00	0.09	0.34	39.85E			
MARIPOSA R S	0.04	0.00	0.23	0.00	6.40	7.66	5.85	0.90	*	16.89E	1.12	0.71	0.00	0.00	0.35	39.85E			
MC DIERMID STA	0.01	0.00	0.10	0.00	9.85	16.07	12.21E	0.61	16.46	13.94	1.66	0.20	0.00	T	1.53	72.53E			
SO ENTRANCE YOSEMITE	0.04	0.00	0.64	0.00	7.12	10.87	10.47	0.57	11.53	12.10	1.61	0.34	0.00	0.00	1.11	56.56			
WAWONA R S	T	0.00	0.49	0.00	9.85	16.07	12.21E	0.61	16.46	13.94	1.66	0.20	0.00	0.00	1.11	56.56			
YOSEMITE NAT PARK																			
FRESNO-CHORCHILLA R																			
AHWAHNEE 2 NNW	0.07	0.00	0.23	0.00	5.81	7.77	6.59	1.04	6.24	10.83	1.15	0.65	0.00	0.00	0.86	40.94			
BIG CEDAR SPRINGS	T	0.00	0.20	0.00	4.01	5.13	6.64	RE	4.97	8.04	0.55	0.70	0.00	0.00	T	28.71			
CATHEYS VAL BULL RUN R	0.10	0.00	0.06	0.00	3.81	5.14	4.38	0.79	4.65	8.11	0.57	0.39	0.00	0.00	0.13	28.07			
CATHEYS VALLEY SAWYER	0.12	0.00	0.00	0.00	3.95	5.11	3.95	0.87	5.10	7.56	0.85	0.14	0.00	0.00	0.17	27.70			
CATHEYS VAL STONHOUSE																			
COARSEGOLD	0.06	0.00	0.22	0.00	4.51	10.24	5.58	0.98	6.57	11.89	0.84	0.25	0.00	0.00	0.89	43.80			
DAULTON	0.00	0.00	0.02	0.00	3.35	4.31	3.79	0.55	3.12	7.48	0.50	0.70	0.00	0.00	0.07	23.42			
HIDDEN VALLEY	0.06	0.00	0.27	0.00	6.21	7.63	7.74	0.94	9.18	9.98	0.87	0.70	0.00	0.01	0.54	43.80			
MARIPOSA 8 ESE	0.03	0.00	0.25	0.00	6.93	8.17	6.65	0.83	7.80	12.30	0.68	0.55	0.00	T	0.70	44.61			
MARIPOSA USONA																			
CAKHURST	45.34E	0.00E	0.35	0.00	5.43	10.34	6.56	0.73	7.75	12.65	0.93	0.60	0.00	0.00	0.86	45.85			
RAYMOND 3 SSW	23.79	0.24	0.00	0.00	2.80	4.70	3.50	0.60	3.75	7.45	0.75	0.00	0.00	0.00	0.00	23.55			
RAYMOND 10 N																			
RAYMOND 12 NNE	35.84	0.00	0.12	0.00	5.10	6.69	5.01	0.73	5.41	11.37	0.99	0.42	0.00	0.00	0.64	36.36			
ROCKY VILLAGE	25.44	0.00	0.02	0.00	2.68	5.14	4.18	0.90	3.80	7.99	0.59	0.14	0.00	0.00	0.15	25.57			

TABLE A-2 (Cont.)

PRECIPITATION DATA
SAN JOAQUIN VALLEY

Station Name	Precipitation in Inches												Total Oct.1 To Sept.30			
	1966						1967									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
TRIANGLE-YORK	0.03	0.00	0.32	0.00	7.86	10.53	8.25	0.68	11.85	13.75	1.05	0.32	0.00	T	1.23	55.52
WESTFALL R S	0.00	0.00	0.52	0.00	10.56	19.79	7.87	1.17	14.70	18.58	1.57	0.73	0.00	0.05	1.54	76.56
WHITE ROCK-PRESTON	-	-	-	-	-	-	4.03	0.82	5.18	6.31	-	-	-	-	-	-
SAN JOAQUIN RIVER																
AUBERRY 1 NNE	0.01	0.00	0.12	0.00	3.66	9.36	5.11	0.70	7.72	10.90	0.80	0.02	0.00	T	0.69	38.96
BIG CREEK PH NO 1	T	0.02	0.25	0.00	4.58	13.06	7.92	0.84	11.33	11.44	2.28	0.68	T	0.20	1.03	53.36
BIG CREEK PH NO 2	0.00	0.00	0.19	0.00	3.40	11.34	8.65	0.67	8.34	10.45	2.04	0.33	0.00	0.44	0.99	46.65
BIG CREEK PH NO 3	T	0.00	0.30	0.00	2.60	7.91	6.59	0.63	8.45	10.65	1.15	0.17	0.00	T	0.77	38.72
BIG CREEK PH NO 8	0.00	0.00	0.30	0.00	2.97	12.18	7.44	0.58	7.36	11.01	2.24	0.45	0.00	0.13	0.81	45.17
CRANE VALLEY PH																
FLORENCE LAKE	0.01	0.00	0.08	0.00	7.87	16.09	8.83	1.09	10.94	14.87	1.60	0.27	0.00	T	1.22	62.78
FRIANT GOVERNMENT CP	0.01	0.00	0.03	0.00	3.68E	10.17E	7.95	0.75	6.85	6.45	0.92	0.77	1.17	1.89	1.78	42.40E
FRIANT-STILLWELL	0.00	0.00	0.00	0.00	2.11	4.13	3.25	0.86	3.04	7.43	0.33	0.25	0.00	0.00	0.13	21.53
HUNTINGTON LAKE	0.02	0.47	0.26	0.00	2.57	5.13	3.85	1.09	4.16	8.65	0.52	0.26	0.00	0.00	1.05	26.71
MEADOW LAKE	T	0.00	0.13	0.00	3.50	9.78	3.50	0.44	7.33	10.75	1.14	0.19	0.00	T	0.53	37.16
MT GIVENS	0.00E	0.5 E	0.1 E	0.00E	4.3 E	6.9	7.34	0.8	-	-	-	-	-	3-2	1.4	-
NORTH FORK R S	0.00	0.00	0.08	0.00	4.17	12.48	4.05	1.25	10.37	14.09	1.16	0.45	0.02	T	1.11	52.44
SAN JOAQUIN EXP RGE	0.01	0.00	0.07	0.00	3.03	5.57	4.05	0.83	4.18	8.23	0.98	0.26	0.00	0.00	0.33	27.46
SAN JOAQ VAL WESTSIDE																
CASTLE ROCK RAD LAB	0.21	0.00	0.00	0.00	1.83	1.88	4.11	0.21	2.80	2.44	0.06	0.28	0.00	0.00	T	13.61
DEL PUERTO ROAD CAMP	0.22	0.00	0.00	0.00	3.88	2.34	6.02	0.06	4.15	2.49	0.10	0.42	0.00	0.00	0.00	19.46
IDRLA	0.62	0.00	0.18	0.00	2.21	5.14	3.78	0.48	5.90	4.75	0.00	0.00	0.00	0.00	0.33E	22.59E
KERLINGER	0.20	0.00	0.02	0.00	1.39	1.46	2.82	0.14	1.61	2.03	0.02	0.31	0.00E	0.00	0.01	9.49E
LONE TREE CANYON	-	-	-	-	-	-	-	-	-	-	0.80	0.19	0.00	0.00	0.02	-
LOS BANOS ARBURIA RCH	0.29	0.00	0.15	0.00	0.54	2.79	2.30	0.09	1.27	2.32	0.02	0.03	0.00	0.00	0.02	9.38
MERCY HOT SPRINGS	0.21	0.00	0.28	0.00	0.57	3.03	2.64	-	-	-	-	0.45	-	-	-	17.78E
FACHECO PASS	0.00	0.00	0.03	0.00	1.63	4.59	4.67	0.25	*	v6.19	*	v0.45	0.00E	0.00E	T	10.38
PANOCHÉ	0.57	0.00	0.14	0.00	1.18	3.13	2.27	0.13	1.92	1.61	0.03	T	0.00	0.00	0.11	14.24
PANOCHÉ 2 W	-	-	-	0.00	2.38	4.15	3.01	0.07	2.19	2.32	0.00	0.00	0.00	0.00	0.22	-
PFEIFFER RCH	0.48	0.00	0.43	0.00	2.96	6.11	5.01	0.51	5.35	6.54	0.45	0.27	0.00	0.00	0.02	27.22
SAN LUIS DAM	0.12	0.00	0.07	0.00	1.35	3.04	3.06	0.23	1.10	2.61	0.12	0.40	0.00	0.00	0.02	11.93
TULARE LAKE BASIN																
TULARE LAKE VAL FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANGIOLA	9.10	0.00	0.06	0.00	0.65	3.34	0.97	0.11	1.14	2.59	0.10	0.14	0.00	0.00	0.00	9.04
ARVIN	7.40E	0.00	0.13	0.00	0.44	0.97	0.95	0.04	0.99	3.62	0.26	0.00E	0.00E	0.00	0.82	8.09E
AVENAL WALDEN	7.48	0.10	T	0.00	0.57	2.56	1.39	0.22	1.39	1.00	0.30	0.00	0.00	0.00	0.13	7.51
AVENAL ORCHARD	13.12	0.06	0.00	0.00	0.96	6.36	0.92	0.17	1.60	2.74	0.00	0.26	0.00	0.00	0.10	13.16
BAKERSFIELD 1 W	7.91	0.00	0.09	0.00	1.22	1.36	1.11	0.07	0.44	3.04	0.33	0.25	0.00	0.00	0.24	8.06

TABLE A-2 (Cont.)
 PRECIPITATION DATA
 SAN JOAQUIN VALLEY

Station Name	Precipitation in Inches												Total Oct.1 To Sept.30			
	1966						1967									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
BAKERSFIELD WB AP	7.13	T	0.03	T	0.88	1.58	0.96	0.03	0.52	2.65	0.28	0.20	T	0.00	0.11	7.21
BELLEVEUE	6.61	0.00	0.15	0.00	0.89	0.78	1.15	0.04	0.36	2.49	0.35	0.20	0.00	0.36	0.36	6.82
BLACKWELLS CORNER	5.05E	0.01E	0.00	0.00	0.74	1.49	0.47	0.01	0.43	1.78	0.06	0.06	0.00	0.00E	0.05E	5.09E
BUENA VISTA RCH	6.71	0.00	0.13	0.00	0.90	0.85	1.07	0.08	0.33	3.12	0.23	0.00	0.00	0.00	0.14	6.72
BUENA VISTA RCH M&L	4.52	0.00	0.00	0.00	0.20	0.34	0.65	0.07	0.45	2.64	0.17	0.00	0.00	0.00	0.00	4.52
BUENA VISTA RCH M&L2	4.05	0.00	0.00	0.00	0.26	0.49	0.51	0.06	0.38	2.18	0.17	0.00	0.00	0.00	0.00	4.05
BUTTONWILLOW	4.88	0.00	0.13	0.00	0.80	0.69	0.83	0.03	0.51	1.67	0.20	0.02	0.00	0.00	0.10	4.95
CANFIELD RANCH	7.12	0.00	0.17	0.00	0.72	0.61	0.93	0.08	0.48	3.62	0.36	0.15	RE	0.00	0.32	8.17
CANTUA RANCH	8.21	0.25	0.11	0.00	0.11	2.32	1.46	0.00	0.57	3.01	0.33	0.05	0.00	0.00	0.32	8.17
CARTHURS 4 E	11.97	0.02	0.18	0.00	1.75	3.35	1.74	0.09	1.37	2.59	0.11	0.77	0.00	0.19	0.19	11.96
CITRUS	8.03	0.00	0.06	0.00	0.45	1.27	0.95	0.16	0.99	3.93	0.22	T	0.00	0.00	0.22	8.19
COALINGA	10.24	0.26	0.09	0.00	0.78	3.91	1.81	0.11	1.17	2.08	0.02	0.01	0.00	0.11	0.11	10.00
COALINGA 1 SE	8.46	0.33	0.00	0.03	0.71	3.17	1.47	0.10	0.79	1.81	0.05	0.00	0.00	0.06	0.06	8.16
COALINGA CDF	10.06	0.26	0.13	0.00	0.83	3.79	1.73	0.09	1.00	2.20	0.02	0.01	0.00	0.09	0.09	9.76
COALINGA FEED YARD	-	-	-	0.00	0.76	3.84	1.46	0.08	0.98	1.89	0.04	0.00	0.00	0.10	0.10	9.15
COIT RANCH HDQ	7.56	0.20	0.01	0.00	0.34	2.36	1.31	0.11	2.06	1.55	0.04	0.00	0.00	0.00	0.00	7.77
CORCORAN IRRIG DIST	8.71	0.01	0.00	0.00	0.67	2.95	0.98	0.05	1.12	2.46	0.02	0.44	0.00	0.04	0.04	8.73
CORCORAN EL RICO 1	8.23	T	0.08	0.00	0.61	2.60	0.91	0.00	1.01	2.64	0.05	0.33	0.00	0.00	T	8.15
CORCORAN EL RICO 33	-	-	-	0.00	0.97	2.71	0.78	0.05	1.16	2.64	0.06	0.29	0.00	0.27	0.27	8.83
DELANO	10.69	0.00	0.08	0.00	1.18	2.46	1.09	0.15	0.74	3.70	0.26	1.03	0.00	0.10	0.10	10.71
DEVILS DEN	7.60	0.00	0.00	0.00	0.57	3.15	0.46	0.02	1.12	2.05	T	0.23	0.00	0.08	0.08	7.68
DIGIORGIO	6.77	0.00	0.13	0.04	0.38	1.06	1.04	0.04	0.84	2.94	0.30	0.00	0.00	0.42	0.42	7.06
DINUBA ALTA 10	14.87	0.02	0.05	0.00	1.13	4.40	2.18	0.27	2.37	3.80	0.28	0.37	0.00	0.14	0.14	14.94
EIGHTH STAND RCH	6.94	0.00	0.05	0.00	0.28	0.58	0.87	0.06	1.12	3.78	0.20	0.00	0.00	0.15	0.15	7.04
EXETER FAUVER RCH	16.32	0.00	0.00	0.00	1.47	5.01	2.01	0.26	2.10	5.09	0.32	0.06	0.00	0.98	0.98	17.30
FIVE POINTS 5 SSW	6.69	0.28	0.05	0.00	0.29	1.86	1.49	0.10	1.04	1.43	0.12	0.03	0.00	0.23	0.23	6.59
FIVE POINTS-DIENER	6.98	0.21	0.18	0.00	0.29	1.94	1.43	T	0.98	1.80	0.12	0.03	0.00	0.34	0.34	6.93
FOUNTAIN SPRINGS FS	18.40	0.02	0.00	0.00	3.46	5.11	1.83	0.26	1.14	5.55	0.37	0.66	0.12	0.40	0.40	18.90
FRESNO WB AP	14.99	0.03	0.03	0.00	1.57	3.04	2.21	0.22	3.15	4.41	0.19	0.14	T	T	T	14.93
FRESNO CO WESTSIDE FD	7.67	0.30	0.01	0.00	0.61	2.38	1.05	0.09	1.09	2.05	0.07	0.02	0.00	0.13	0.13	7.49
GIN YARD	4.81	0.00	0.00	0.00	0.18	0.33	0.68	0.09	0.40	2.94	0.19	0.00	0.00	0.00	0.00	4.81
HANFORD	11.31	0.04	0.29	0.00	1.28	2.57	1.41	0.05	2.42	2.95	0.07	0.23	0.00	0.31	0.31	11.99
HANFORD WELL #21	10.64	0.04	0.30	0.00	1.10	2.77	1.14	0.05	2.21	2.63	0.10	0.29	0.00	0.13	0.13	10.43
HOMELAND DIST SEC 9	8.45	0.00	0.00	0.00	0.67	2.40	1.02	0.07	1.39	2.66	0.06	0.18	0.00	0.02	0.02	8.47
HOMELAND DIST SEC 34	7.35	0.00	0.00	0.00	0.50	2.44	0.98	0.09	0.89	2.19	0.06	0.20	0.00	0.00	0.00	7.35
HURON RCH	6.51	0.28	0.00	0.00	0.15	2.64	0.82	0.04	0.78	1.56	0.19	0.05	0.00	0.13	0.13	6.36
IVANHOE I D	15.26	T	0.00	0.00	1.11	5.02	2.03	0.31	1.90	4.52	0.19	0.18	0.00	0.41	0.41	15.67
KETTLEMAN CITY	7.15E	0.03	0.01	0.00	0.62	1.87E	1.04	0.06E	1.32E	1.77	T	0.63	0.00	0.00	0.00	7.11E
KETTLEMAN HILLS	5.38	0.16	0.00	0.00	0.45	1.33	0.81	0.05	1.05	1.41	0.12	0.00	0.00	0.03	0.03	5.25
KETTLEMAN STATION	7.16	0.34	0.00	0.00	0.54	1.56	1.00	0.17	1.46	1.75	0.33	0.01	0.00	0.00	0.00	6.82

TABLE A-2 (Cont.)

PRECIPITATION DATA
SAN JOAQUIN VALLEY

Station Name	Precipitation in Inches												Total July To Sept.30			
	1966						1967									
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
LINDSAY	0.00	0.02	0.00	0.00	1.19	5.68	1.99	0.28	1.90	4.84	0.16	0.22	0.00	0.00	0.58	16.84
LOST HILLS	0.00	0.00	0.05	0.00	0.50	1.15	0.73	0.01	0.42	2.59	0.17	0.49	0.05	0.00	0.51	6.62
MAGUNDA	0.00	0.00	0.08	0.00	0.88	1.47	0.83	0.06	0.48	3.02	0.24	0.02	0.00	0.00	0.30	7.30
MARICOPA	0.00	0.00	0.32	0.00	0.64	0.65	0.54	0.00	0.37	1.85	0.02	0.00	0.00	0.00	0.36	4.43E
MENDOTA MURIETTA RCH	0.13	0.00	0.01	0.00	0.03	2.50	1.09	0.10	1.38	3.02	0.33	0.00	0.00	0.00	0.07	8.52
MENDOTA HALFWAY PUMP	0.24	0.00	0.29	0.00	0.76	1.96	1.43	0.28	0.77	2.37	0.18	0.03	0.00	0.00	0.47	8.25
MOODY RCH	0.00	T	0.06	0.00	0.40	0.88	1.09	0.15	1.14	3.77	0.22	T	0.00	0.00	0.27	7.92
NORTH BELRIDGE	0.00	0.00	0.00	0.00	0.56	1.33	0.41	0.01	0.29	1.92	0.10	0.30	0.00	0.00	0.03	4.95
OILFIELDS FS	0.20	0.00	0.60	0.00	0.78	3.18	1.23	0.07	0.54	1.59	0.38	0.00	0.00	0.00	0.16	8.40
OLD RIVER 3 S	0.00	0.00	0.05	0.00	0.30	0.46	0.66	0.07	0.52	2.07	0.14	0.11	0.00	0.00	0.14	4.49
ORANGE COVE	0.00	0.00	0.17	0.00	0.94	5.43	2.35	0.45	2.37	4.88E	0.58	0.21	0.03	0.00	0.31	17.55E
PORTERVILLE	0.00	0.00	0.02	0.00	1.44	5.60	1.92	0.34	1.49	4.78	0.28	0.17	0.00	0.00	0.79	16.81
PORTERVILLE 3 W	0.00	0.00	0.00	0.00	1.24	4.78	1.75	0.28	1.40	4.43	0.31	0.00	0.00	0.00	0.64	14.83
POSO RCH	0.00	T	T	0.00	1.46	1.64	0.91	0.07	0.59	3.16	0.20	0.52	0.00	0.00	0.10	8.65
RECTOR	0.04	0.00	0.00	0.00	0.94	3.91	1.84	0.21	1.55	4.54	0.11	0.42	T	0.00	0.18	13.70
REELEY WVFD	0.02	0.00	T	0.00	1.14	4.41	2.29	0.18	1.96	4.28	0.10	0.32	0.00	0.00	0.10	14.78
RIVERDALE	0.12	0.00	0.23	0.00	1.34	2.70	1.46	0.12	1.28	2.56	0.15	0.20	0.00	0.00	0.04	9.85
ROSEDALE	0.00	T	0.10	0.00	0.98	1.31	1.05	0.02	0.47	3.13	0.24	0.13	0.00	0.00	0.14	7.47
SAN EMIGDIO RCH	0.00	T	0.26	0.00	0.79	0.94	1.41	T	0.82	3.05	0.25	T	0.00	0.00	0.09	7.35
SANGER 1 NE	0.01	0.00	0.12	0.00	1.15	4.63	2.90	0.18	2.54	4.26	0.18	0.30	T	T	T	16.14
SANGER R S	0.00	0.00	0.13	0.00	1.16	4.07	2.71	0.16	2.25	1.82	0.00	0.00	0.00	0.00	0.00	12.17
SAN JOAQUIN	0.15	0.00	0.40	0.00	0.64	2.08	1.20	0.11	0.75	1.61	0.12	0.02	0.00	0.00	0.21	6.74
SAN JOAQUIN WVFD	0.17	0.00	0.31	0.00	0.22	1.66	0.87	0.09	0.78E	1.68E	0.04	0.00	0.00	0.00	0.24	5.58E
SANTIAGO RCH M&L	0.00	0.00	0.15	0.00	0.42	0.43	0.75	0.07	0.69	3.05	0.12	0.16	-	-	-	-
SOUTH BELRIDGE	0.00	0.00	0.02	0.00	0.52	1.29	0.48	0.05	0.41	1.87	0.04	0.11	0.00	0.00	T	4.77
SOUTH LAKE FARM HDQ	0.00	0.00	0.00	0.00	0.90	2.20	0.80	0.04	0.96	2.74	0.05	0.45	0.00	0.00	0.23	8.37
STEVENSON DIST SEC 33	0.00	0.00	0.00	0.00	0.66	3.65	1.23	0.12	1.49	3.10	0.02	0.20	0.00	0.00	0.00	10.47
TEJON RANCHO	0.00	0.00	0.00	0.00	0.98	2.30	1.39	0.35	1.66	5.41	0.54	0.00	0.00	0.09	0.70	13.42
TRANQUILLITY GLOTZ	0.25	0.00	0.03	0.00	0.33	2.34	1.18	0.04	0.71	2.25	0.12	0.03	0.00	0.00	0.06	7.06
TULARE	0.00	0.00	0.02	0.00	0.79	3.45	1.78	0.16	1.54	4.23	0.12	0.37	0.00	0.00	0.17	12.61
TULARE DIST SEC 27	-	-	-	0.00	0.72	1.87	0.92	0.04	0.98	1.98	0.04	0.14	0.00	0.00	0.21	6.90
TULEFIELD	0.00	T	0.07	0.00	0.27	0.50	0.85	T	0.99	2.70	0.09	0.00	0.00	0.00	0.24	5.50
U S COTTON FIELD STN	0.00	0.00	0.00	0.00	1.32	1.54	0.93	0.04	0.37	2.58	0.23	0.19	0.00	0.00	0.02	7.22
VESTAL	0.03	0.00	0.05	0.00	1.57	3.45	1.21	0.18	0.89	4.25	0.29	0.28	0.00	0.00	0.13	12.25
VISALIA	0.02	0.00	0.00	0.00	0.83	3.78	1.66	0.15	1.68	4.81	0.25	0.38	T	0.00	0.11	13.65
VISALIA	0.01	0.00	T	0.00	1.02	4.18	1.77	0.22	1.65	4.14	0.12	0.43	0.01	0.00	0.19	13.73
WASCO	0.00	0.00	T	0.00	0.61	1.70	0.79	0.07	0.61	2.42	0.23	0.33	0.03	0.00	0.05	6.84
WEST CAMP	0.00	0.00	0.00	0.00	0.63	3.18	0.77	0.03	0.99	2.39	0.19	0.32	0.00E	0.00	0.50	9.40E
WESTHAVEN	0.29	0.00	0.03	0.00	0.48	2.09	0.89	0.00	0.93	1.88	0.08	0.33	0.00	0.00	0.04	6.72
WHEELER RIDGE	0.00	0.00	0.00	0.23	0.62	1.31	0.65E	0.24	1.64	4.09	0.51	0.00	0.00	0.00	0.53	8.82E
WILBUR DITCH	0.00	0.00	0.00	0.00	0.85	2.06	0.74	0.04	0.92	2.25	0.05	0.35	0.00E	0.00	0.25	7.51E

TABLE A-2 (Cont.)
 PRECIPITATION DATA
 SAN JOAQUIN VALLEY

Station Name	Precipitation in Inches												Total July 1 To June 30				
	1966						1967										
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.	Total Oct. 1 To Sept. 30
KINGS RIVER																	
ACADEMY	18.03	0.00	0.01	0.00	1.33	4.25	3.04	0.60	4.14	4.32	0.17	0.17	0.00	0.00	0.04	18.06	
BALCH POWER HOUSE	48.48	T	0.07	T	4.07	15.14	7.54	0.73	8.41	11.23	0.31	0.31	T	0.02	0.74	49.17	
BLASINGAME	31.10	T	0.04	0.00	2.74	6.81	4.98	1.24	5.82	9.13	0.24	0.24	0.00	T	0.41	31.47	
BRETZ MILL	57.20	0.00	0.01	0.00	5.02	19.78	5.40	*	15.60v	14.05	1.55	1.55	0.00	0.41	1.92	70.29	
GRANT GROVE	68.19	T	0.23	0.00	5.72	23.33	8.55	0.88	12.97	14.91	1.38	1.38	0.00	0.41	1.92	70.29	
HASLETT BASIN	-	0.00	0.01	0.00	3.01	14.82	-	-	8.45	11.17	1.29	1.29	-	-	-	-	
LOWER BIG CREEK	-	0.00	0.01	0.00	0.94	18.00	-	-	8.46	10.25	0.85	0.85	-	-	-	-	
PINE FLAT DAM	28.09	T	0.02	0.00	2.01	8.12	3.80	0.61	4.33	8.70	0.40	0.40	0.04	T	0.28	28.39	
PINEHURST R S	46.28	0.00	0.00	0.00	3.71	15.41	6.15	0.88	7.98	10.86	1.24	1.24	0.02	0.08	1.56	47.94	
SOAPROOT SADDLE	-	0.00	0.01	0.00	4.40	18.30	-	-	18.00	10.00	5.98	5.98	-	-	-	-	
SQUAW VALLEY FR	36.62	0.00	0.00	0.00	2.43	13.36	5.98	0.68	5.88	7.43	0.65	0.65	0.00	0.00	0.93	37.55	
TRIMMER R S	39.50	0.00	0.10	0.00	3.00	11.43	4.71	2.56	5.85	11.11	0.65	0.65	0.00	0.00	0.45	38.85	
WISHON LAKE	74.76	0.00	0.05	0.09	8.29	20.19	12.26	1.14	16.88	13.51	1.22	1.22	0.45	0.57	2.14	77.51	
KAWEAH RIVER																	
ASH MOUNTAIN	44.90	0.00	0.00	T	5.83	15.65	5.02	1.02	5.63	10.62	0.79	0.79	0.00	0.45	1.16	46.34	
BADGER	39.06	0.00	0.00	0.00	2.74	12.65	5.13	0.91	6.71	9.29	1.51	1.51	0.00	0.00	1.41	40.47	
GIANT FOREST	77.79	T	0.08	0.08	5.83	28.02	11.05	1.18	11.98	17.67	1.61	1.61	0.01	0.05	1.95	79.72	
KAWEAH PH 3	44.62	0.00	0.15	0.00	5.18	15.16	5.89	1.08	5.57	10.53	0.89	0.89	0.00	0.16	1.18	45.81	
LEMON COVE	19.71	T	0.00	0.00	1.32	6.23	2.21	0.37	3.11	5.89	0.50	0.50	0.00	T	1.36	21.21	
MIRAMONTE HONOR CAMP	41.02	0.04	0.00	0.00	2.55	15.06	4.35	0.60	5.47	9.93	2.99	2.99	T	T	1.36	42.33	
TERMINUS DAM	21.88	T	0.00	0.00	1.54	6.79	2.42	0.39	2.95	7.01	0.28	0.28	0.04	0.00	1.54	23.46	
THREE RIVERS 6 SE	34.21	0.00	0.25	0.00	3.14	12.83	3.18	1.06	4.39	8.36	0.79	0.79	0.00	0.00	1.08	32.74	
THREE RIVERS PH 2	34.87	0.00	0.32	0.06	3.72	11.19	4.09	0.76	4.16	9.10	1.07	1.07	0.00	0.03	1.12	35.64	
THREE RIVERS PH 1	33.88	0.00	0.48	0.00	3.26	12.27	4.00	0.83	4.39	9.35	1.30	1.30	0.00	0.00	1.10	36.50	
WHITAKER FOREST	61.11	T	0.01	0.00	5.83	24.51	8.14	0.96	12.13	*	9.48v	9.48v	0.02	0.34	1.44	62.90	
TULE RIVER																	
CAMP NELSON	-	0.05	0.00	0.00	4.87	23.48	8.11	1.77	6.92	10.18	1.60	1.60	0.00	0.03	1.68	54.80	
MILO 5 NE	53.16	0.04	0.00	0.00	4.91	23.55	6.03	0.99	5.58	10.18	0.87	0.87	0.00	0.03	1.35	50.79	
SPRINGVILLE 7 ENE	49.60	0.04	0.00	0.00	4.77	19.75	5.03	1.70	5.51	11.71	0.41	0.41	0.00	0.00	1.30	-	
SPRINGVILLE R S	-	0.04	0.45	0.16	2.38	10.93	3.04	0.65	2.99	-	-	-	0.00	0.00	1.30	-	
SPRINGVILLE TULE HDW	-	0.05	0.00	0.00	6.78	-	7.13	1.18	-	-	-	-	0.00	0.25	1.72	-	
SUCCESS DAM	18.69	T	0.05	0.00	1.47	6.53	2.07	0.28	1.78	5.59	0.44	0.44	0.00	0.00	0.75	19.39	
TULE RIVER INTAKE	51.94	0.12	0.00	0.00	4.86	20.93	5.15	1.66	6.21	11.85	0.97	0.97	0.00	0.00	1.75	53.47	
TULE RIVER PH	32.59	0.04	0.13	0.10	2.85	12.15	3.65	0.68	3.78	8.46	0.57	0.57	0.01	T	1.77	34.10	
UHL R S	-	0.00	0.00	0.00	4.04	15.46	4.42	0.72	3.49	9.68	-	-	0.00	0.00	2.91	-	

TABLE A-2 (Cont.)
 PRECIPITATION DATA
 SAN JOAQUIN VALLEY

Station Name	Total July 1 To June 30	Precipitation in inches												Total Oct. 1 To Sept. 30			
		1966						1967									
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
GREEN HORN MOUNTAIN	23.86E	0.00	T	0.00	0.00	2.07	8.71	2.91	0.48	2.18	6.47	0.91E	0.13	0.00	0.00	1.30	25.16E
GLENVILLE	-	0.00	0.00	0.00	-	-	15.62	4.40	0.75	4.17	6.66	-	T	0.00	0.00	1.37	-
GLENVILLE FULTON R S	40.84	0.00	0.00	0.00	3.92	15.62	4.40	4.40	0.75	4.17	10.62	1.36	T	0.00	0.00	1.86	42.82
POSEY 3 E	17.22	0.00	0.00	0.06	1.57	5.23	1.79	1.79	0.46	1.76	5.67	0.57	0.11	0.00	0.00	0.59	17.75
WOODY																	
KERN RIVER																	
BOREL PH	20.12	0.00	0.41	0.03	0.00	1.38	10.07	2.13	0.00	1.44	4.25	0.33	0.08	RE	0.23	1.63	21.09
ISABELLA DAM	19.73	0.00	0.80	0.00	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.24	0.30	0.37	2.01	55.75E
JOHNSONDALE	53.26E	0.00E	0.01	T	4.58	30.61	5.86	5.86	0.60E	3.88	6.46	0.99	0.27	0.12	0.00	0.13	10.95
KERN CANYON	10.90	0.00	0.00	0.08	0.00	1.28	2.71	1.14	0.07	0.80	3.93	0.89E	0.00	0.00	0.00	0.13	10.95
KERN RIVER INTAKE 3	-	0.00	0.58	0.00	RE	-	-	-	-	-	-	-	-	-	-	-	-
KERN R 3 INTAKE	41.37E	0.00	0.60	0.00	0.00	3.14	25.10E	4.76	0.18	2.62	4.18	0.67	0.12	0.00	0.16	2.10	43.03E
KERN RIVER PH NO 1	14.24	0.00	0.00	0.00	0.00	1.28	3.54	1.32	0.29	0.91	6.40	0.49	0.01	0.02	0.00	0.25	14.51
KERN RIVER PH NO 3	24.31	0.00	0.13	0.00	1.43	14.50	3.20	3.20	0.29	1.42	3.04	0.28	0.02	0.80	0.13	1.21	26.32
ONYX	12.12	0.00	0.19	0.00	0.00	0.84	6.18	2.37	T	0.71	1.80	0.20	0.03	-	-	-	-
WELDON 1 WSW	12.11	0.00	0.24	0.00	0.63	6.06	1.91	1.91	0.00	0.69	1.75	0.83	0.00	0.10	0.00	0.91	12.88
WOPFORD HEIGHTS	18.97	T	0.24	T	1.16	11.03	3.08	3.08	0.03	0.82	2.41	0.20	T	0.12	0.13	1.20	20.18
TEHACHAPI MOUNTAINS																	
CHUCHUPATE R S	7.32	0.00	1.27	0.41	3.18	4.17	1.89	1.47	0.11	1.13	-	0.15	0.00	0.18	0.03	0.73	8.25
CUMMINGS VALLEY 2	16.32	0.00	0.61	0.08	0.51	4.67	2.08	2.08	0.52	1.88	4.76	1.33	0.08	0.00	0.00	1.01	16.04
KEENE	13.31	0.00	T	0.21	4.49	2.23	1.35	1.35	0.24	0.99	3.66	0.14	0.00	0.05	0.00	0.77	13.92
LEBEC	18.75	0.00	0.62	0.00	0.79	7.76	1.97	1.97	0.25	2.26	4.30	0.71	0.00	1.01	0.00	0.39	19.53
LORAIN																	
MIL POTRERO	15.50	T	0.00	0.50	2.93	4.18	1.51	1.51	0.18	1.06	5.05	0.09	T	0.12	2.32	0.10	17.54
PATTIWAY	8.23E	0.01	T	0.30	1.40	1.43	1.32	1.32	0.18	0.49	2.90	0.16	0.04	0.00	0.01	0.03	7.96
TEHACHAPI	13.35	0.00	0.60	0.32	2.42	3.87	1.33	1.33	0.10	0.97	3.55	0.19	0.00	T	0.06	2.13	14.62
TEHACHAPI AIRPORT	-	0.00	0.61	0.20	1.92	3.12	-	-	0.14	-	-	0.37	0.00	0.00	0.00	-	-
TULARE L BASIN WESTSIDE																	
ANNETTE	17.88	0.00	0.00	0.25	0.00	1.38	4.77	1.54	0.33	3.41	3.30	0.12	0.04	0.00	0.00	0.71	18.31
AVENAL 8 SW	14.11	0.20	0.00	0.00	1.64	6.15	2.61	1.77	0.18	2.40	2.89	0.00	0.11	0.00	0.00	1.01	14.92
AVENAL 6 SSW	15.12E	0.10	0.00	0.80	1.42	5.14	1.77	1.54	0.40	2.15	4.50	0.19	0.18	0.00E	0.00E	0.68	14.90E
CHOLAME TWISSELMAN	23.43	0.46	0.00	0.00	1.50	3.76	1.54	1.54	0.49	4.82	4.69	0.23	0.00	0.00	0.00	0.36	23.33
COALINGA ROBERTS RCH																	
COALINGA 14 NW	25.21	0.55	0.00	0.19	2.45	7.80	4.48	4.48	0.49	5.20	3.70	0.35	0.00	0.00	0.00	0.22	24.69
DOMEENGINE RCH	10.86	0.26	0.00	0.03	0.98	3.38	1.61	1.61	0.10	1.91	2.29	0.30	0.00	0.00	0.00	0.24	10.81
DOMEENGINE SPRING	15.41	0.25	0.00	0.00	1.88	4.00	3.09	3.09	0.20	2.48	3.17	0.34	0.00	-	-	-	-
FELLOWS	5.27	0.00	0.00	0.54	0.81	1.12	0.75	0.75	0.03	0.17	1.70	0.00	0.15	0.00	0.00	0.00	4.73
MARICOPA F S	3.55	0.00	0.00	0.40	0.42	0.96	0.18	0.18	0.02	0.39	1.18	0.01	0.00	0.00	0.00	0.20	3.35

TABLE A - 2 (Cont.)

PRECIPITATION DATA
SAN JOAQUIN VALLEY

Station Name	Precipitation in Inches													Total Oct. 1 To Sept. 30			
	1966						1967						Total Oct. 1 To Sept. 30				
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June			July	Aug.	Sept.
MARTINEZ SPRING	16.13	0.00	0.00	0.00	1.76	4.45	2.90	0.15	2.57	4.00	0.30	0.00	0.00	0.00	0.00	-	4.90
MC KITTRICK F S	4.85	0.00	0.05	0.00	0.70	1.32	0.73	0.05	0.34	1.49	0.00	0.17	0.00	0.00	0.00	0.10	4.90
TAFT	3.97	0.00	0.28	0.00	0.54	0.63	0.62	0.04	0.35	1.37	0.05	0.08	0.00	0.00	0.00	0.18	3.87
TAFT KTRR	4.77	0.00	0.37	0.00	0.69	1.01	0.62	0.06	0.36	1.51	0.07	0.08	0.00	0.00	0.00	0.34	4.74
THIRTY-TWO CORRAL	12.29	0.00	0.00	0.00	1.26	3.65	1.72	0.15	1.60	3.60	0.31	0.00	0.00	-	-	-	-
UPPER SALINAS RIVER	-	0.53	-	0.00	1.90	4.46	-	0.27	2.68	3.37	0.26	0.02	0.00	0.00	0.00	1.05	-
PARKFIELD 7 NNW	-	0.00	-	0.00	1.90	4.46	-	0.27	2.68	3.37	0.26	0.02	0.00	0.00	0.00	1.05	-

TABLE A-3

STORAGE GAGE PRECIPITATION DATA

SAN JOAQUIN VALLEY

Station	Agency	1966-67 Season		
		Measurement Period	Precipitation In Inches	
SAN JOAQUIN RIVER BASIN				
STANISLAUS RIVER				
HIGHLAND LAKES	DEPT OF WATER RESOURCES	7- 8-66	7-19-67	39.9
LAKE ALPINE	DEPT OF WATER RESOURCES	7- 8-66	7-19-67	81.6
TUOLUMNE RIVER				
BEEHIVE MEADOW	HETCH HETCHY WATER SUPPLY	8- 3-66	9- 6-67	69.77
GRACE MEADOW	HETCH HETCHY WATER SUPPLY	8-16-66	9- 5-67	49.30
HUCKLEBERRY LAKE	HETCH HETCHY WATER SUPPLY	8-13-66	8-31-67	74.05
LOWER KIBBEY RIDGE	HETCH HETCHY WATER SUPPLY	8- 9-66	8-25-67	79.54
PARADISE MEADOW	HETCH HETCHY WATER SUPPLY	8-20-66	7- 4-67	75.8
PARADISE MEADOW	HETCH HETCHY WATER SUPPLY	7- 4-67	9- 6-67	-
SACHES SPRINGS	HETCH HETCHY WATER SUPPLY	8-10-66	8-25-67	75.33
TUOLUMNE MEADOW	DEPT OF WATER RESOURCES	7- 7-66	7-18-67	49.5
MERCED RIVER				
BADGER PASS	U S WEATHER BUREAU			
OSTRANDER LAKE	NATIONAL PARK SERVICE	7-13-66	10- 8-67	80.85
SNOW FLAT	DEPT OF WATER RESOURCES	7- 7-66	7-18-67	74.6
SAN JOAQUIN RIVER				
CHIQUITA CREEK	DEPT OF WATER RESOURCES	7- 6-66	7-17-67	69.6
CLOVER MEADOWS	DEPT OF WATER RESOURCES	7- 6-66	7-17-67	73.6
KAISER MEADOWS	SO CALIF EDISON COMPANY	9-12-66	8- 3-67	66.6
MAMMOTH POOL	SO CALIF EDISON COMPANY	9- 9-66	8- 8-67	57.4
ROSE MARIE MEADOW	SO CALIF EDISON COMPANY	9-14-66	10-12-67	64.8
VERMILION VALLEY	SO CALIF EDISON COMPANY	9- 8-66	8- 3-67	34.4
TULARE LAKE BASIN				
KINGS RIVER				
BARTON FLAT	U S CORPS OF ENGINEERS	8- 3-66	9-21-67	43.30
DUSY BENCH	U S CORPS OF ENGINEERS	9- 8-66	9-12-67	30.85
MITCHELL MEADOW	U S CORPS OF ENGINEERS	7-17-66	9-20-67	69.25
MORAIN CREEK	U S CORPS OF ENGINEERS	7-18-66	9-20-67	46.64
RATTLESNAKE CREEK	U S CORPS OF ENGINEERS	7-14-66	9-19-67	68.11
STATE LAKES	U S CORPS OF ENGINEERS	10- 6-66	9-20-67	49.31
SUMMIT MEADOW	U S CORPS OF ENGINEERS	7-12-66	7-26-67	80.36
VIDETTE MEADOW	U S CORPS OF ENGINEERS	9- 6-66	9-20-67	48.81
WOODCHUCK MEADOW	U S CORPS OF ENGINEERS	7-13-65	7-27-67	70.61
KAWEAH RIVER				
ATWELL	U S CORPS OF ENGINEERS	8- 8-66	10-20-67	66.94
BEARTRAP MEADOW	U S CORPS OF ENGINEERS	8- 3-66	9-21-67	83.31
HOCKETT MEADOW	U S CORPS OF ENGINEERS	8- 9-66	10-17-67	71.52
MINERAL KING	U S CORPS OF ENGINEERS	8- 8-66	10-20-67	61.67
PEAR LAKE	U S CORPS OF ENGINEERS	8- 4-66	7-25-67	66.47
TULE RIVER				
EAGLE CREEK	U S CORPS OF ENGINEERS	6-23-66	10-19-67	62.52
HOSSACK (RADIO)	U S CORPS OF ENGINEERS	6-22-66	7-13-67	72.03
MOUNTAIN HOME 2	U S CORPS OF ENGINEERS	6-23-66	7-13-67	63.78
ROGERS CAMP	U S CORPS OF ENGINEERS	6-22-66	7-12-67	63.79

- Record missing for this period.

TABLE A-3 (Cont.)

STORAGE GAGE PRECIPITATION DATA

SAN JOAQUIN VALLEY

Station	Agency	1966-67 Season		Precipitation In Inches
		Measurement Period		
KERN RIVER				
CHAGOOPA	U S CORPS OF ENGINEERS	8- 6-66	10-17-67	44.64
CRABTREE MEADOW	U S CORPS OF ENGINEERS	9-22-66	9-14-67	36.81
DOUBLEBUNK MEADOW	U S CORPS OF ENGINEERS	9-22-66	7-11-66	65.10
MONACHE MEADOW	U S CORPS OF ENGINEERS	9- 1-66	9-14-67	30.79
PORTUGUESE MEADOW	U S CORPS OF ENGINEERS	7-21-66	7-10-67	65.66
QUAKING ASPEN	U S CORPS OF ENGINEERS	6-22-66	7-11-67	78.07
ROUND MEADOW	U S CORPS OF ENGINEERS	6-21-66	7-11-67	54.16
TUNNEL R S	DEPT OF WATER RESOURCES	9- 1-66	9-14-67	35.19
WET MEADOW	U S CORPS OF ENGINEERS	8-10-66	10-18-67	65.19
TEHACHAPI MTN				
BALLINGER	DEPT OF WATER RESOURCES	7- 1-66	10-25-67	9.25
BURGESS CORRALS	DEPT OF WATER RESOURCES	7- 1-66	10-25-67	7.40
SMITH FLAT	DEPT OF WATER RESOURCES	7- 1-66	10-25-67	8.74
TULARE LAKE BASIN WESTSIDE				
OILFIELD JOAQUIN RDG	DEPT OF WATER RESOURCES	10-11-66	7-25-67	9.89

TABLE A-4

TEMPERATURE DATA

The definition of terms and abbreviations used in connection with this table are as follows:

Max	The highest temperature of record for the month.
Min	The lowest temperature of record for the month.
Av Max	The arithmetical average of daily maximum temperatures for the month.
Av Min	The arithmetical average of daily minimum temperatures for the month.
Avg	The arithmetical average of daily maximum and minimum temperatures for the month.
M	One or more days of record missing; if average value is entered, less than ten days of record is missing.
RB	Record begins.
RE	Record ends.

TABLE A-4

TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SAN JOAQUIN R BASIN SAN JOAQUIN VAL FL CASTLE AFB	MAX	104	103	100	91	81	62	61	73	64	100	104	106	103	94
	MIN	54	54	48	40	31	26	33	32	33	43	50	54	58	56
	AV MAX	92.3	95.0	86.9	78.7	64.7	49.6	53.5	62.8	59.0	81.3	86.4	96.9	96.3	87.4
	AV MIN	61.0	63.0	58.3	49.9	45.3	40.1	38.2	42.1	42.1	51.9	57.3	63.8	64.9	60.1
	AVG	76.6	79.0	72.6	64.3	55.0	59.8	45.8	52.4	50.5	66.6	71.8	80.4	80.6	73.7
DENAIR CHANCE	MAX	104	M	M	M	83	61	67	70	68	97	102	104	102	94
	MIN	50	M	M	M	28	25	23	27	29	39	45	52	53	54
	AV MAX	91.8	M	M	M	65.8	49.5	55.5	62.2	59.4	79.4	84.6	97.0	96.6	90.7
	AV MIN	56.1	M	M	M	37.3	34.9	34.9	36.5	39.3	47.1	54.0	59.9	60.6	59.3
	AVG	73.9	M	M	M	53.1	43.4	42.9	49.3	49.3	63.2	69.3	78.4	78.6	75.0
LIVINGSTON 5 W	MAX	104	105	100	91	85	64	67	72	67	101	104	106	105	101
	MIN	48	43	40	34	29	26	28	31	32	37	45	50	52	53
	AV MAX	92.1	96.9	88.5	80.5	67.0	49.9	53.6	65.2	60.0	83.5	86.7	98.7	99.0	91.8
	AV MIN	54.5	55.2	51.0	42.7	40.6	38.7	33.9	40.3	41.5	49.1	53.8	60.2	60.2	57.0
	AVG	73.3	76.0	69.7	61.6	53.8	44.3	43.7	52.8	50.7	66.3	70.2	79.4	79.6	74.4
LOS BANOS FIELD STA	MAX	105	105	99	90	81	61	66	75	67	99	103	105	105	M
	MIN	54	51	50	40	33	M	33	32	31	37	47	54	58	M
	AV MAX	M	96.8M	86.3M	79.7M	67.8M	M	54.5M	65.6M	60.9M	81.2M	85.1M	M	99.0M	M
	AV MIN	M	62.4M	56.9M	48.9M	45.3M	M	33.9M	38.2M	39.8M	50.9M	56.2M	M	64.5M	M
	AVG	M	79.6M	71.6M	64.3M	56.5M	M	44.2M	47.4M	50.3M	66.0M	70.6M	M	81.7M	M
MERCED 5 SE	MAX	98	100	96	90	85	60	72	70	64	96	106	108	102	101
	MIN	47	53	41	32	29	24	26	28	30	35	45	51	54	52
	AV MAX	87.8	92.8M	83.8M	76.3	64.0	47.6	53.5	61.9	58.7	78.9	86.4	99.2	97.0	90.4
	AV MIN	53.5	57.2M	51.4M	43.3	40.7	38.0	35.1	47.1	38.7	45.3	52.4	60.4	61.7	57.1
	AVG	70.6	75.0M	67.6M	59.8	52.4	42.8	44.3	51.5	50.0	62.1	64.4	79.8	79.9	73.8
MODESTO KTRB	MAX	103	104	98	89	82	63	67	73	67	97	101	103	103	98
	MIN	52	50	46	36	29	26	30	30	32	40	46	54	57	53
	AV MAX	89.6	94.9	86.6	79.0	66.5	52.3	54.9	63.5	59.6	80.2	83.7	96.3	96.0	89.6
	AV MIN	59.0	54.4	47.5	43.8	40.1	37.0	38.1	40.5	40.0	49.8	53.9	60.9	62.3	59.0
	AVG	73.0	76.9	70.5	63.2	55.1	46.2	45.9	52.0	49.8	65.0	68.8	78.6	79.1	74.3
SNELLING	MAX	RB	RB	98	90	89	60	72	78	64	98	103	108	105	96
	MIN	RB	RB	46	35	30	25	24	30	33	37	45	56	53	51
	AV MAX	RB	RB	82.8	79.0	65.4	49.2	56.8	61.3	58.2	78.6	85.6	99.0	99.0	89.6
	AV MIN	RB	RB	52.4	44.1	42.7	38.8	37.0	39.0	39.3	48.0	54.1	61.3	60.8	57.6
	AVG	RB	RB	67.6	61.5	54.0	44.0	46.9	50.1	48.7	63.3	69.8	80.1	79.9	73.6

TABLE A-4 (Cont.)

TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
WESTLEY	MAX	103	105	99	92	94	65	65	69	63	95	103	106	107	98
	MIN	49	50	46	40	32	28	28	29	30	32	48	53	55	52
	AV MAX	91.0	89.4	88.4M	80.8M	67.2	55.0	56.1	60.8	55.8	77.1	85.2	99.2	98.3	90.8
	AV MIN	54.5	54.8	55.6M	49.2M	44.5	38.2	39.5	39.2	37.0	45.9	55.6	61.3	61.5	58.8
AVG	72.7	72.1	72.0M	65.0M	55.8	46.6	47.8	50.0	46.4	61.5	70.4	80.2	79.9	74.8	
STANISLAUS RIVER	MAX										RB	102	104	105	100
	MIN										RB	40	48	51	50
	AV MAX										RB	84.7	99.1	97.3	90.9
	AV MIN										RB	50.0	57.4	60.0	54.6
AVG										RB	67.3	78.2	78.6	72.7	
HUNTERS DAM	MAX	96	97	93	86	84	70	73	68	56	90	95	98	90	91
	MIN	36	59	33	28	25	18	22	22	22	26	34	45	46	45
	AV MAX	85.2	88.2	82.8	76.7	60.7	54.1	61.8	52.3	47.2	70.6	75.9	91.3	89.3	83.9
	AV MIN	47.1	50.9	44.9	37.4	35.5	28.8	28.2	31.2	29.1	38.5	45.7	64.2	52.1	49.5
AVG	66.1	69.5	63.8	57.0	48.1	41.4	45.0	41.7	38.1	54.5	60.8	77.7	70.7	66.7	
PINECREST STRAWBERRY	MAX	88	90	86	82	80	64	70	64	50	84	90	90	90	82
	MIN	36	40	30	28	20	14	12	16	16	16	30	46	46	40
	AV MAX	79.4	82.4	76.6	72.2	55.1	50.1	57.8	48.3	40.4	66.4	68.8M	83.5	84.5	76.0M
	AV MIN	46.5	48.4	43.7	37.8	32.3	27.5	25.6	27.4	23.3	35.1	40.6M	52.4	52.3	46.3M
AVG	63.0	65.4	60.1	55.0	45.4	38.8	41.7	37.8	31.8	50.7	54.7M	67.9	68.4	61.2M	
STANISLAUS P H	MAX	104	107	102	94	88	70	75	76	64	94	104	104	107	102
	MIN	51	49	46	37	32	26	29	26	30	34	42	56	59	52
	AV MAX	93.4	99.1	89.2	82.8M	67.8	57.0	64.6	65.5	57.2	79.3	86.6	99.5	101.6	92.5
	AV MIN	59.3	62.8	55.6	47.1M	43.9	35.8	35.6	46.2	36.3	47.4	52.9	62.2	66.6	59.3
AVG	76.3	80.9	72.4	64.9M	55.9	46.4	50.1	55.8	46.7	63.3	69.7	80.8	84.1	75.9	
TUOLUMNE RIVER	MAX	105	106	101	92	88	64	70	69	63	98	105	107	107	98
	MIN	44	48	44	37	30	24	29	28	28	34	41	53	54	46
	AV MAX	93.5	98.0M	88.7	81.4	66.5	54.7	56.7M	61.1	57.6M	80.7M	83.1M	100.4	101.4M	92.1
	AV MIN	53.4	57.3M	52.6	44.4	40.9	33.6M	34.3	36.1	35.1	45.7	49.9	61.0	62.6M	55.9
AVG	73.4	77.6M	70.6	62.9	53.7	43.1	45.5M	48.6	46.4M	63.2M	66.5M	80.7	82.0M	74.0	
DON PEDRO RESERVOIR	MAX	102	104	96	90	88	69	70	69	63	98	105	107	107	98
	MIN	44	47	42	39	32	24	29	31	28	34	41	53	54	46
	AV MAX	91.0M	96.6	85.3M	78.6M	64.5M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M
	AV MIN	58.4M	64.7	56.0M	51.0M	45.7M	42.8M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M
AVG	74.7M	80.6	70.6M	64.8M	55.1M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	
MERCED RIVER	MAX	102	104	96	90	88	69	70	69	63	98	105	107	107	98
	MIN	44	47	42	39	32	24	29	31	28	34	41	53	54	46
	AV MAX	91.0M	96.6	85.3M	78.6M	64.5M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M
	AV MIN	58.4M	64.7	56.0M	51.0M	45.7M	42.8M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M
AVG	74.7M	80.6	70.6M	64.8M	55.1M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	
COULTERVILLE FFS	MAX	102	104	96	90	88	69	70	69	63	98	105	107	107	98
	MIN	44	47	42	39	32	24	29	31	28	34	41	53	54	46
	AV MAX	91.0M	96.6	85.3M	78.6M	64.5M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M	51.0M
	AV MIN	58.4M	64.7	56.0M	51.0M	45.7M	42.8M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M	45.7M
AVG	74.7M	80.6	70.6M	64.8M	55.1M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	46.8M	

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
HORNIITOS GILES RCH	MAX	102	98	90	82	62	61	68	68	65	96	103	105	104	94
	MIN	50	46	40	34	28	34	34	32	32	38	44	58	60	57
	AV MAX	91.1	85.5	77.9	64.2	48.7	52.0	54.4	59.1	56.9	76.3	84.1	97.6	99.1	89.2
	AV MIN	59.8	57.5	51.6	47.1	38.1	37.3	39.0	41.8	39.5	51.0	55.8	67.7	68.5	62.9
AVG	75.4	71.5	64.7	55.6	43.4	44.6	46.7	50.4	48.2	63.6	69.9	82.6	83.8	76.0	
FRESNO - CHOMCHILLA R	MAX	96	94	88	86	80	74	76	76	58	90	98	98	100	92
	MIN	56	50	46	36	30	32	34	30	30	36	42	64	64	54
	AV MAX	87.4	83.6	78.2	66.2M	62.5	62.2	65.8	57.5	49.8	72.5	79.3	93.7	95.9	86.0
	AV MIN	66.4	62.4	55.7M	48.4M	40.8	41.5	42.1	40.3	34.6	51.0	57.4	69.6	70.8	62.8
AVG	76.9	73.0	66.9M	57.3M	51.7	51.8	54.0	48.9	42.2	61.7	68.3	81.6	83.3	74.4	
BIG CEDAR SPRINGS	MAX	94	M	M	M	M	70	RE	RE	61	95	105	106	105	97
	MIN	48	M	M	M	M	20	RE	RE	28	32	41	52	55	52
	AV MAX	85.3M	89.5	81.8	72.2	66.2	70.2M	71	68	75.3	84.5	99.5	99.5	101.0	90.3
	AV MIN	54.6M	58.4	50.8	44.6	36.1	34.5	35.0	38.5	37.1	47.2	52.3	64.9	64.6	58.5
AVG	70.0M	73.9	63.5	54.9	42.8	44.1	45.4	48.3	46.0	61.2	68.4	82.2	82.8	74.4	
CATHEYS VALLEY SAWYER	MAX	104	100	90	89	60	66	71	68	61	95	105	106	105	97
	MIN	48	44	38	31	27	27	29	29	28	32	41	52	55	52
	AV MAX	92.6	86.6	79.4	65.2	49.4	53.8	55.9	58.1	54.9	75.3	84.5	99.5	101.0	90.3
	AV MIN	58.2	54.6	47.7	44.6	36.1	34.5	35.0	38.5	37.1	47.2	52.3	64.9	64.6	58.5
AVG	75.4	70.6	63.5	54.9	42.8	44.1	45.4	48.3	46.0	61.2	68.4	82.2	82.8	74.4	
CATHEYS VAL STONHOUSE	MAX	100	97	88	87	60	62	70	67	63	93	102	103	103	95
	MIN	46	39	33	28	23	24	27	26	28	28	40	51	51	50
	AV MAX	90.2	86.4	78.1	65.1	50.2	53.8	55.8	60.1	55.9	76.7M	83.5	M	97.9M	88.3M
	AV MIN	53.9	57.4	42.2	40.9	34.5	32.4	33.5	37.4	36.1	43.4M	48.5	M	59.0M	55.7M
AVG	72.0	75.7	60.1	50.3	42.4	43.1	44.6	48.8	46.0	59.8M	66.0	M	78.4M	72.0M	
CATHEYS VAL BULL RUN	MAX	103	99	90	88	65	65	67	69	60	95	102	104	105	101
	MIN	49	42	36	31	26	27	26	30	30	34	41	53	70	52
	AV MAX	91.5	86.6	78.8	66.7	51.8	55.3	56.7	62.5	56.8	76.2	83.3	98.3	99.9	90.9
	AV MIN	58.1	53.8	47.1	43.7	35.9	35.4	35.8	40.9	36.8	46.6	51.4	61.4	62.7	57.3
AVG	74.8	70.1	62.9	55.2	43.8	45.3	46.2	51.7	46.8	61.4	67.4	79.8	81.3	74.1	
HIDDEN VALLEY	MAX	105	102	93	92	70	74	80	80	64	96	106	105	105	100
	MIN	54	48	40	34	29	29	33	31	31	36	44	58	60	56
	AV MAX	93.7	89.0	80.9	68.3	58.3	60.9	61.9	61.9	55.6	77.5	85.4	99.0	101.0	91.0
	AV MIN	60.5	63.5	49.2	44.7	36.7	37.9	36.4	39.6	38.5	50.5	55.9	66.8	68.0	61.2
AVG	77.1	80.7	65.0	56.5	47.5	49.4	50.2	50.8	47.0	64.0	70.6	82.9	84.5	76.5	

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
MARIPOSA 8 ESE	MAX		RB	85	82	72	74	72	M	57	88	96	96	98	M
	MIN		RB	34	36	20	24	27	M	24	32	38	52	54	M
	AV MAX		RB	74.3	64.7	56.3	56.5	59.2	M	49.4M	71.4	78.2	92.3M	93.4	M
	AV MIN		RB	44.5	43.4	32.6	33.0	31.9	M	33.0M	45.0	49.4	59.2M	61.8	M
OAKHURST	AVG		RB	59.4	54.0	44.5	44.8	45.6	M	41.2M	58.2	63.8	74.8M	77.6	M
	MAX		M	87	85	70	65	76	88	91	104	100	100	101	98
	MIN		M	23	22	17	18	22	21	25	26	35	42	42	41
	AV MAX		M	76.8	69.7	56.7M	57.4	62.7	61.4	52.2	72.4	79.8	96.5	96.2	88.9M
TRIANGLE - YORK	AV MIN		M	33.2	34.8	27.7M	27.0	26.3	33.4	32.7	39.1	43.3	51.8	50.8	47.1M
	AVG		M	55.0	52.2	42.2M	42.2	44.5	47.4	42.4	55.7	61.5	74.2	73.5	68.0M
	MAX		88	88	65	70	70	70	67	58	93	98	98	99	94
	MIN		35	25	18	22	26	26	23	22	30	34	47	50	40
SAN JOAQUIN RIVER	AV MAX		79.3	74.9	59.9M	54.3M	54.3M	56.0	52.3	45.1M	73.2M	78.1M	92.0M	97.7M	M
	AV MIN		46.7	39.2	36.2M	31.0	28.8	28.8	31.0	30.2M	40.2M	45.7M	56.0M	60.5M	M
	AVG		63.0	57.0	48.0M	42.3M	42.4	41.6	41.6	38.1M	56.7M	61.9M	74.0M	79.1M	M
	MAX		94	86	68	70	72	70	70	70	90	96	98	102	96
CRANE VALLEY P H	MIN		42	37	24	27	30	30	28	28	32	38	60	62	52
	AV MAX		83.8M	80.0	54.8	57.3	61.2	61.2	56.6	50.8	71.4	78.2M	92.3	98.3	85.9
	AV MIN		54.4M	49.5	36.1	35.6	34.5	34.5	36.4	32.8	48.5	53.0M	64.6	68.1	58.9
	AVG		69.1M	64.7	45.4	46.4	47.8	47.8	46.5	41.8	60.0	65.6M	78.4	83.2	72.4
MEADOW LAKE	MAX		92	84	68	70	73	73	74	54	89	94	95	93	90
	MIN		45	42	20	26	26	26	23	24	32	36	60	64	48
	AV MAX		79.7M	72.9M	54.4	54.2	58.6	58.6	54.9M	43.5	67.9	72.7	89.9	89.5	78.7
	AV MIN		58.5M	52.4M	38.5	37.7	36.2	36.4M	36.4M	29.8	48.7	54.9	68.3	68.7	59.2
SAN JOAQ VAL WESTSIDE	AVG		69.1M	62.6M	46.4	45.9	47.4	47.4	45.6M	36.6	58.3	63.8	79.1	79.1	68.9
	MAX		104	100	65	70	73	73	73	69	103	108	109	115	102
	MIN		50	40	24	20	26	26	30	31	37	50	58	55	57
	AV MAX		89.9	82.4	55.4	59.4	60.0	60.0	65.4	61.5	82.4	86.7	102.1	104.4	94.4
CASTLE ROCK RAD LAB	AV MIN		60.1	49.5	39.6	36.1	36.1	36.1	41.3	40.2	50.5	59.0	67.5	66.5	62.9
	AVG		74.9	65.9	47.5	47.7	48.0	48.0	53.4	50.8	66.4	72.8	84.8	85.4	78.6
	MAX		95	85	60	68	68	68	M	64	M	M	M	M	M
	MIN		41	34	28	21	24	24	M	30	M	M	M	M	M
DEL PUERTO ROAD CAMP	AV MAX		82.4	75.3	51.8	58.2	58.8	58.8	M	57.0	M	M	100.3	M	M
	AV MIN		51.2	43.6	33.0	32.9	31.2	31.2	M	35.3	M	M	60.1	M	M
	AVG		66.8	59.4	42.4	45.4	45.0	45.0	M	46.1	M	M	80.2	M	M
	MAX		103	100	60	68	68	68	M	64	M	M	106	M	M

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT															
	1967															
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	
TULARE LAKE BASIN																
TULARE LAKE VAL FL																
ARVIN	104 MAX 55 MIN 95.3 AV MAX 63.2 AV MIN 79.2 AVG	105 56 98.9 64.9 81.9	101 49 86.4 58.1 72.2	92 39 80.6 48.9 64.7	92 32 69.8 45.1 57.4	69 28 54.1 39.3 46.7	71 25 61.0 34.0 47.5	75 31 63.1 43.5 50.9	81 34 71.4 43.5 57.4	72 38 64.8 43.6 54.2	101 39 84.8 55.5 70.1	105 45 89.2 59.5 74.3	105 62 100.3 68.2 84.2	107 62 100.8 69.2 85.0	98 59 90.8 63.5 77.1	
AVENAL WALDEN	106 MAX 56 MIN 96.6 AV MAX 65.0 AV MIN 80.8 AVG	107 54 103.3M 70.1M 86.7M	101 51 88.8 60.3 74.5	90 44 80.8 52.4 66.6	87 34 69.0 46.0 57.1	67 29 55.2 41.4 48.3	64 26 57.9 36.8 47.3	75 30 60.9 36.6 48.7	75 32 67.4 43.5 55.4	73 33 62.1M 41.2 51.6M	105 47 87.6 54.7 71.1	103 47 89.3 60.0 76.6	111 64 105.2 69.9 87.5	109 67 104.3 71.4 87.8	100 61 93.0 65.9 79.4	
CARUTHERS 4 E	104 MAX 51 MIN 94.6 AV MAX 56.4 AV MIN 75.5 AVG	105 47 97.9 58.2 78.0	90 42 86.6 51.1 68.8	91 31 80.8 42.2 61.5	87 30 67.5 41.3 54.4	61 23 44.5 35.2 39.5	61 30 52.5 33.9 42.8	68 30 56.4 39.6 46.2	74 30 63.6 39.6 51.6	70 32 61.0 40.7 50.8	104 38 84.4 49.8 67.1	105 47 88.5 55.2 71.8	108 51 100.9M 89.5 79.8M	109 53 101.6 80.2 80.9	106 52 93.1M 57.0M 75.0M	
CORCORAN EL RICO 1	107 MAX 51 MIN 95.6 AV MAX 58.4 AV MIN 78.6 AVG	110 49 100.1 61.6 80.8	102 46 88.7 56.3 72.5	92 37 80.8 47.5 64.1	87 29 67.9 42.8 55.3	64 27 50.0 40.6 45.3	65 28 54.7 36.4 45.6	75 31 58.3 39.1 48.7	73 31 65.4 41.4 53.4	69 34 61.3 41.0 51.1	102 36 83.1 51.2 67.1	107 45 55.7 89.5 72.6	109 56 101.5 63.4 82.4	108 61 102.0 64.2 83.1	98 55 91.7 60.6 76.1	
COALINGA FEED YARDS	M MAX M MIN M AV MAX M AV MIN M AVG	M M M M M	M M M M M	92 39 82.0M 52.8M 67.4M	87 32 67.6M 43.8M 55.7M	68 24 51.6 36.3 44.0	66 21 57.0M 33.2M 45.1M	74 30 56.5 35.1 45.8	72 28 62.4 39.4 50.9	70 34 58.5 37.1 47.8	101 34 82.5M 51.9M 67.2M	104 42 83.9 56.3 70.1	107 60 101.0 66.0 85.0	110 64 103.5M 69.5M 86.4M	100 60 89.4M 64.4M 76.9M	
DEVILS DEN SLF	110 MAX 52 MIN 100.5 AV MAX 61.9 AV MIN 81.2 AVG	111 50 101.4 62.0 81.7	106 44 91.3 55.4 73.3	94 35 84.5 46.2 65.3	88 30 69.4 39.9 54.6	76 28 57.4 40.0 48.7	64 24 57.5 32.0 44.8	78 30 60.3 35.4 47.8	74 30 65.8 39.5 52.6	70 33 62.8 38.9 50.8	105 40 84.9 51.3 68.1	110 46 91.1 56.8 73.9	112 60 104.5 66.7 85.6	108 62 105.3 67.3 86.3	102 52 96.0 61.7 78.8	
DIGIORGIO	103 MAX 51 MIN 94.8 AV MAX 58.2 AV MIN 76.5 AVG	106 52 98.3 61.0 79.6	102 44 86.8 54.6 70.7	90 37 81.2 47.4 64.3	91 31 68.4 42.5 55.4	68 29 53.3 39.8 46.5	72 26 61.1 36.0 48.6	77 34 63.4 41.1 52.1	84 32 71.4 44.7 58.0	74 39 64.8 43.5 54.1	110 40 87.6 57.5 72.5	112 50 95.5 63.2 79.3	112 62 104.4 69.0 86.7	110 62 105.1 69.8 87.4	100 58 93.7 63.9 78.8	

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
FIVE POINTS - DIENER	MAX	106	105	100	91	85	64	62	73	75	68	106	107	108	98
	MIN	52	50	49	41	32	28	28	31	32	31	47	60	62	58
	AV MAX	94.3	97.9	87.2	79.8	66.9	51.0	55.0	59.0	65.1	62.3	88.6	101.5	101.9	92.1
	AV MIN	60.1	64.0	57.6	50.0	45.2	40.2	36.4	39.1	43.3	41.4	57.4	67.6	67.9	63.3
AVG	77.2	80.9	72.4	64.9	56.0	45.6	45.7	49.0	54.2	51.8	73.0	84.6	84.9	77.7	
FRESNO CO WESTSIDE FD	MAX	109	110	104	89	87	68	67	71	77	104	106	109	109	106
	MIN	52	48	45	38	33	28	25	28	31	35	46	59	63	56
	AV MAX	96.9	101.7	89.2	81.8	67.3M	52.6	56.7	58.9	60.8	84.5	87.6	103.5	104.0	93.5
	AV MIN	62.5	64.5	57.5	50.3	43.1M	38.5	34.2	38.1	40.9	40.4	47.3	67.5	67.6	62.5
AVG	79.7	83.1	73.4	66.0	55.2M	45.6	45.4	48.5	54.0	68.0	72.4	85.5	85.8	78.0	
HANFORD WELL #21	MAX	104	108	100	90	85	62	63	74	76	101	103	104	105	99
	MIN	52	50	47	33	30	27	25	28	32	33	45	53	58	55
	AV MAX	94.1	95.2	88.1	80.0	67.9	50.7	55.2	59.7	62.0	83.7	88.8	99.5	99.3	91.2
	AV MIN	58.4	61.4	54.9	46.6	42.6	36.6	35.2	37.0	41.5	51.4	56.8	64.4	63.9	59.0
AVG	76.2	78.3	71.5	63.3	55.2	43.6	45.2	48.4	53.3	67.5	72.8	81.9	81.6	75.1	
IVANHOE I D	MAX	106	106	101	94	88	73	68	71	81	106	105	106	103	104
	MIN	51	51	44	37	32	28	26	31	31	38	47	58	59	55
	AV MAX	96.9	100.2	90.2	82.6	71.0	54.6	57.9	61.3	69.6	85.8	88.1	99.2	99.1	90.2
	AV MIN	59.7	62.4	54.3	45.8	43.3	38.4	34.5	37.7	40.5	51.7	57.6	66.0	64.7	61.1
AVG	78.3	81.3	72.2	64.2	57.1	46.5	46.2	49.5	55.0	68.7	72.8	82.6	81.9	75.6	
KETTLEMAN HILLS	MAX	105	106	99	92	89	61	62	75	72	102	104	107	107	99
	MIN	59	58	53	53	43	36	32	40	41	45	51	71	72	63
	AV MAX	93.2	94.2	85.6	78.6	65.2	47.7	54.4	55.3M	62.0	80.5	86.1	100.0	100.8	90.0
	AV MIN	69.4	74.9	65.9	60.6	53.7	42.6	43.5	44.6M	47.7	61.3	62.5	77.3	79.2	69.7
AVG	81.3	84.6	75.8	69.6	59.4	45.1	49.0	50.0M	54.8	70.9	74.3	88.6	90.0	79.8	
MAGUNDEN	MAX	108	109	104	92	90	68	68	74	78	104	109	110	113	98
	MIN	59	55	50	47	36	27	26	31	32	40	46	65	67	62
	AV MAX	98.3	101.2	88.9	81.5	69.1	52.0	58.9	60.6	68.8M	84.6	91.6	104.3	105.5	93.1M
	AV MIN	65.8	68.8	61.1	52.3	46.6	39.2	35.0	39.0	43.9M	56.7	61.2	71.8	73.1	66.2M
AVG	82.0	85.0	75.0	66.9	57.8	47.6	47.0	49.8	56.4M	70.6	76.4	88.0	89.3	79.6M	
MENDOTA MURRIETA FARM	MAX	105	104	98	90	85	56	62	71	74	100	104	105	102	98
	MIN	50	46	44	37	32	24	24	29	30	37	41	53	56	53
	AV MAX	93.9	96.6	87.0	78.6M	66.8	50.0	55.0	58.6	65.1	83.1	88.7	99.8	97.5	90.4
	AV MIN	57.4	59.6	54.1	47.1M	44.7	38.8	33.6	35.8	38.8	47.7	53.7	62.6	63.7	59.0
AVG	75.6	78.1	70.5	62.8M	55.7	44.4	44.3	47.2	55.7	65.4	71.2	81.2	80.6	74.7	
NORTH BELBRIDGE	MAX	107	108	101	91	86	68	66	75	75	104	110	107	110	101
	MIN	59	58	55	45	37	30	26	32	35	44	52	69	67	63
	AV MAX	96.2	99.5	88.4	80.5	67.7	52.2	56.9	58.4	66.3	83.8	89.2M	102.1	103.6	92.0
	AV MIN	68.4	70.5	62.2	53.4	46.7	40.5	36.9	39.6	43.5	57.5	63.4M	74.6	75.4	68.4
AVG	82.4	85.0	75.3	66.9	57.2	46.4	46.9	49.0	54.8	70.6	76.3M	88.4	89.5	80.2	

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
OLD RIVER 3 S	MAX	103	103	99	94	92	69	68	79	72	103	103	106	114	101
	MIN	51	62	45	31	27	19	27	32	34	36	43	56	56	54
	AV MAX	94.8	96.8	87.5	80.7	68.1	56.9	55.5	67.7M	61.0	83.0	89.0	89.0	97.3	92.6M
	AV MIN	60.1	61.9	55.5	45.1	40.6	29.3	34.0	40.2M	44.2	52.4	57.4	65.2	68.1	62.6M
	AVG	77.4	79.4	71.5	62.9	54.4	43.1	44.8	54.0M	52.6	67.7	73.2	81.3	86.0	77.3M
RECTOR	MAX	104	106	99	92	87	64	76	76	72	105	105	106	106	98
	MIN	51	51	44	35	31	27	32	32	38	38	45	58	59	54
	AV MAX	94.8	97.7	88.4	81.0	70.2	55.4	58.0	66.0	62.1	83.6	88.3	100.2	100.6	91.8
	AV MIN	59.6	60.6	55.3	46.3	39.6	35.5	37.8	42.4	43.1	52.9	57.1	65.1	65.7	60.8
	AVG	77.2	79.1	71.8	63.6	56.3	45.4	47.9	54.2	52.6	68.2	72.7	82.6	83.1	76.3
RIVERDALE	MAX	106	106	100	91	88	68	77	77	71	101	105	106	105	98
	MIN	52	49	47	33	29	24	29	31	34	36	47	57	58	56
	AV MAX	94.9	97.2	87.8	81.8	70.3	56.0	58.8	66.3	63.1	82.3	87.8	99.4	99.4	91.5
	AV MIN	58.4	60.6	54.7	45.5	33.5	33.8	36.4	41.1	40.6	51.6	56.9	65.1	63.4	59.9
	AVG	76.6	78.9	71.2	63.6	57.1	44.9	47.6	53.7	51.8	66.9	72.3	81.4	81.4	75.7
SANGER 1 NE	MAX	107	107	102	90	86	64	76	73	70	104	106	107	106	98
	MIN	50	50	44	37	32	27	32	33	38	38	46	57	58	54
	AV MAX	96.4	100.0	89.6	79.3	68.0	56.2	59.9	66.0	62.5	85.3	90.4	101.5	101.7	91.7
	AV MIN	58.0	60.4	55.2	47.6	45.3	37.9	39.2	43.7	43.4	52.1	56.9	64.8	65.3	60.7
	AVG	77.2	80.2	72.4	63.4	56.6	47.0	49.6	54.8	52.9	68.7	73.6	83.2	83.5	76.2
SOUTH BELBRIDGE	MAX	106	109	104	94	88	67	76	78	70	106	110	110	112	101
	MIN	61	55	53	44	32	24	33	32	35	44	44	67	67	59
	AV MAX	95.8	100.7	90.7	82.9	69.9	58.8	60.6	68.4	62.7	85.7	91.3	104.2	104.8	93.3
	AV MIN	69.2	69.9	61.7	52.1	45.1	35.9	35.5	43.9	42.5	58.0	63.6	72.8	73.5	66.4
	AVG	82.5	85.3	76.2	67.5	57.5	47.4	50.0	56.1	52.6	71.8	77.4	88.5	89.1	79.8
SOUTH LAKE FARMS HDQ	MAX	106	109	101	89	88	65	74	74	68	101	106	108	107	98
	MIN	52	51	46	35	33	26	29	30	33	36	45	60	62	56
	AV MAX	96.0	100.0	88.4	80.5	68.4	55.1	57.8	65.8	62.1	83.3	89.1	100.6	101.0	91.5
	AV MIN	58.8	62.1	56.5	44.8	42.8	34.0	37.6	40.4	40.5	50.9	56.7	65.7	67.2	62.5
	AVG	77.4	81.0	72.4	62.6	55.6	44.6	47.7	53.1	51.3	67.1	72.9	83.2	84.1	77.0
TRANQUILLITY GLOTZ	MAX	M	106	101	93	87	60	73	73	67	104	105	108	109	100
	MIN	M	51	50	37	30	26	30	29	30	40	45	58	60	58
	AV MAX	M	97.4	87.7	79.4	68.1	54.2	56.4	64.0	60.8	83.0	89.0	101.6	101.4	91.0
	AV MIN	M	63.0	57.5	48.5	42.0	36.7	38.7	42.4	41.7	52.1	58.2	66.5	66.0	62.6
	AVG	M	80.2	72.6	63.9	56.5	45.4	47.6	53.3	51.2	67.5	73.6	84.0	83.7	76.8
TULARE	MAX	107	108	102	97	89	65	76	77	70	106	109	110	110	98
	MIN	54	53	46	38	30	28	30	34	37	38	49	58	60	57
	AV MAX	96.3	100.3	90.7	83.9	70.7	55.6	59.2	66.7	62.1	85.0	90.9	103.4	103.4	91.8
	AV MIN	60.8	62.9	56.3	47.7	44.1	39.0	36.4	43.2	42.4	52.9	57.4	66.6	66.8	62.4
	AVG	78.5	81.6	73.5	65.8	57.4	46.0	49.1	55.0	52.2	68.9	74.1	85.0	85.1	77.1

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
U S COTTON FIELD STN	MAX	105	105	100	92	88	65	74	77	70	100	105	104	106	96
	MIN	55	53	49	39	35	24	30	34	37	40	49	63	63	57
	AV MAX	94.2	98.1	87.7	81.2	68.3	55.9	58.5	67.2	60.9	82.2	88.8	98.5	97.8	89.5
	AVG	78.6	81.5	73.2	65.4	57.0	45.1	48.3	55.4	52.2	68.4	74.9	83.5	82.8	76.2
VESTAL	MAX	105	109	102	92	90	68	78	79	72	105	108	108	110	101
	MIN	58	54	50	44	35	30	36	33	36	40	48	64	60	60
	AV MAX	95.3	99.4	89.8	83.1	70.4	59.1	61.4	67.7	64.5	87.1	92.0	102.7	103.1	94.0
	AVG	80.3	83.4	75.1	68.5	59.6	49.2	52.1	56.4	54.2	71.7	75.9	86.8	87.7	80.6
KINGS RIVER	MAX	108	109	102	94	91	65	69	74	68	96	107	109	108	104
	MIN	52	48	43	36	32	27	32	33	32	36	44	58	58	53
	AV MAX	98.1	101.5	90.7	82.0	69.5	56.3	58.8	64.2	58.8	79.8	88.0	102.5	102.4	93.0
	AVG	78.6	81.3	72.2	64.1	56.6	45.8	48.2	52.7	49.3	64.2	70.9	83.7	83.6	75.4
PINEHURST R S	MAX	91	93	88	81	80	67	70	69	M	83	91	92	95	91
	MIN	51	50	42	38	30	25	26	22	M	25	35	60	59	54
	AV MAX	83.2	86.5	79.4	72.0	M	M	M	M	M	M	72.8M	87.0M	89.7M	80.0M
	AVG	71.4	75.0	67.3	60.9	M	M	M	M	M	M	51.9M	64.7M	65.9M	57.7M
KAWEAH RIVER	MAX	104	105	98	90	85	65	67	74	68	101	105	106	105	105
	MIN	53	45	49	41	38	28	31	35	35	37	45	60	65	58
	AV MAX	94.3	97.7	87.5	79.5	68.7	56.0	57.8	64.2	60.0	81.2	86.8	99.8	100.6	90.3
	AVG	78.7	81.9	72.4	65.5	58.0	46.7	43.4	49.9	49.9	67.3	72.9	85.0	86.4	77.4
TERMINUS DAM	MAX	89	92	88	79	77	59	66	67	M	82	89	90	91	83
	MIN	45	44	41	33	25	20	20	17	M	M	29	53	53	44
	AV MAX	83.4	83.7	79.9	69.3	50.2	47.4M	51.7	47.2	M	M	68.9	85.2	86.9	75.0
	AVG	68.4	70.3	65.0	57.1	43.0	40.0M	41.8	38.6	M	M	46.3	58.3	59.5	51.9
WHITAKER FOREST	MAX	105	105	100	91	87	67	69	74	70	102	105	107	106	107
	MIN	55	52	46	42	38	29	26	32	35	36	44	60	60	57
	AV MAX	95.4	98.7	88.3	81.3	69.5	56.9	58.3	65.5	60.5	81.2	87.1	100.7	101.5	91.1
	AVG	78.6	81.9	73.4	66.3	58.1	46.8	48.7	54.5	50.9	67.1	71.8	83.9	85.1	77.0

TABLE A-4 (Cont.)
TEMPERATURE DATA
SAN JOAQUIN VALLEY

Station Name	TEMPERATURE IN DEGREES FAHRENHEIT														
	1966						1967								
	July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug	Sept
GREENHORN MOUNTAIN WOODY	MAX	102	103	99	88	63	65	70	70	62	98	104	105	108	105
	MIN	47	46	43	38	26	26	30	27	30	34	36	53	58	55
	AV MAX	94.3	96.6	86.8	79.9	56.8	56.8	57.2	61.9	56.1	77.8	86.1	99.9	100.9M	91.7
	AV MIN	59.9	64.2	55.5	48.6	34.8	34.8	35.5	38.9	36.7	49.6	52.3	66.5	67.1M	59.0
AVG	77.1	80.4	71.1	64.2	56.0	43.3M	45.8	46.4	46.4	63.7	69.2	83.2	84.0M	75.3	
KERN RIVER ISABELLA DAM	MAX	102	105	99	91	67	72	74	79	69	100	104	104	104	99
	MIN	50	54	43	33	28	26	24	27	28	30	36	55	57	52
	AV MAX	94.1	97.0	89.2	79.7	56.2	58.0	62.5	64.6	55.4	77.0	83.3	98.3	99.8	88.0
	AV MIN	60.9	63.2	55.2	44.9	33.4	32.6	37.7	38.0	35.3	47.6	52.5	63.8	64.4	57.2
AVG	77.5	80.1	72.2	62.3	52.4	45.3	47.6	51.3	45.3	62.3	67.9	81.0	82.1	72.6	
TEHACHAPI MOUNTAINS CUMMINGS VALLEY 2	MAX	90	92	91	80	64	68	70	70	58	86	86	90	94	90
	MIN	38	36	28	20	14	18	18	22	22	26	24	42	42	40
	AV MAX	82.6	85.2	78.7	70.1	53.5	55.3	57.9	53.9	44.2	65.2	73.2	86.2	88.7	80.3
	AV MIN	44.5	47.3	42.1	36.9	31.9	28.8	27.5	31.4	31.7	38.6	39.6	49.9	51.7	46.9
AVG	63.6	66.2	60.4	53.5	47.4	42.7	42.0	41.7	42.6	38.0	51.9	56.4	68.1	70.2	63.9
KEENE	MAX	95	97	95	90	70	72	75	74	60	96	97	98	98	93
	MIN	47	46	39	35	23	23	26	27	30	31	35	44	45	51
	AV MAX	88.2	89.6	82.0	73.4	57.9	59.6	60.8	60.5	53.5M	74.2	80.8	93.0	93.9	83.4
	AV MIN	56.8	57.2	51.2	46.2	35.2	35.5	35.0	37.3	35.1M	46.6	49.8	61.2	62.1	57.6
AVG	72.5	73.4	66.6	59.8	54.0	46.1	47.6	47.9	48.9	44.3M	60.4	65.3	77.1	78.0	70.5
TULARE L BAS WESTSIDE DOMENGINE RANCH	MAX	108	104	100	91	65	63	70	70	65	100	105	106	108	98
	MIN	53	52	54	48	32	26	36	37	35	41	40	62	60	49
	AV MAX	91.3	96.6	86.7	79.1	66.6	54.4	55.6	61.6	58.4	81.2	86.9	100.2	100.9	90.6
	AV MIN	63.6	70.2	62.3	56.1	49.0	39.2	41.4	44.6	40.9	55.6	56.7	70.4	71.8	63.7
AVG	77.4	83.4	74.5	67.6	57.8	46.8	46.8	48.5	49.6	68.4	71.8	85.3	86.4	72.7	
TAFT KTKR RADIO	MAX	105	106	100	91	67	66	75	75	66	102	103	106	102	105
	MIN	56	54	59	43	27	25	32	38	34	41	47	66	74	58
	AV MAX	94.5	98.6	85.7	78.2	68.3	55.5	58.9	66.7	59.1	81.2	86.7	100.4	101.5	90.7
	AV MIN	65.7	69.4	59.6	53.7	46.7	33.8	38.2	43.6	41.1	57.2	60.5	72.7	73.9	66.4
AVG	80.1	84.0	72.6	65.9	57.5	44.3	44.5	48.6	50.1	69.2	73.6	86.6	87.7	78.5	

TABLE A-5

EVAPORATION DATA

The definition of terms and the abbreviations used in connection with this table are as follows:

Evap	The total amount of water evaporated from the pan for the month.
Wind	The amount of movement of air over the pan in miles for the month.
Av Max	Arithmetical average of daily maximum water temperature for the month.
Av Min	Arithmetical average of daily minimum water temperature for the month.
-	No record.
M	One or more days of record missing; if average value is entered, less than ten days of record is missing.
RB	Record begins.
RE	Record ends.

Wind and water temperature data are not available at all evaporation stations.

TABLE A-5
EVAPORATION DATA
SAN JOAQUIN VALLEY

Station Name	Evaporation in Inches												Water Temperature in Degrees Fahrenheit												Total Ocl. To Sept.30
	1966						1967						1967												
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.										
SAN JOAQ R BASIN	14.58	15.12	9.49	6.50	3.94	0.90	1.45E	1.71	4.39	2.70	11.73	12.14	15.97	13.04	8.37	82.84E									
SAN JOAQ VAL FLOOR	3633	3160	2575	2083	1584	1320	3036	1270	2714	2189	3623	3880	2860	2162	1645	28366									
LOS BANOS FIELD STA	11.43	10.27	7.27	4.99	2.21	0.65	1.39	1.53	3.86	4.06	7.43	9.15	-	9.28	6.02	-									
MERCED 5 SE	1891	923	1504	1221	1380	1240	607	915	1178	1461	1039	2118	1026	600	665	13450									
WESTLEY	10.21	9.51	7.04	4.61	2.47	4.52	-	1.48	3.34	2.74	7.78	8.83	10.29	9.46	6.29	-									
TUOLUMNE RIVER	13.46	14.53	9.78	6.99	2.60	0.41	0.88	2.15	3.19	2.57	9.55	10.25	15.17	13.89	9.85	77.50									
DON PEDRO RESERVOIR	64.94	12.57	7.99	5.85	2.05	0.74	1.28	1.78	2.83	2.72	6.58	8.13	12.71	11.87	8.17	64.71									
FRESNO-CHOWCHILLA R	9345	1025	870	734	757	651	884	574	1229	523	479	532	801	703	637	8504									
CATHEYS VLY-BULL RUN R	14.73	15.03	10.52	6.57	2.55	0.44	0.61	1.87	3.94	2.17	11.39	10.99	14.63	13.30	8.79	77.25									
TULARE LAKE BASIN	-	1750	1775	1245	1000	1040	1190	1010	1890	1635	2165	1925	1685	1475	1335	17595									
TULARE LAKE VAL FLOOR	8.91	8.87	6.34	4.19	1.91	0.97	1.57	1.97	4.18	3.79	8.29	9.26	10.28	9.39	6.65	62.47									
CORCORAN EL RICO I	618	436	716	419	387	712	1005	870	1554	1410	1441	2375	1687	788	874	11851									
OLD RIVER 3 S	-	-	-	73.6M	66.1M	53.2M	54.8	58.8	69.3	67.2	82.1	87.3	91.8	92.4	84.9	-									
U S COTTON FIELD STA	-	-	-	51.5M	50.7M	46.2M	40.4	43.4	48.5	47.0	57.9	61.4	69.0	72.8	64.1	-									
KINGS RIVER	13.43	12.49	8.60	5.83	2.13	0.66	1.44	2.12	5.67	4.07	10.65	11.33	12.89	10.41	8.20	75.40									
PINE FLAT DAM	1950	1290	1380	865	525	773	1107	1213	2104	1668	2208	2534	1197	642	922	15758									
TERMINUS DAM	11.68	11.98	7.79	5.26	2.00	0.61	0.81	1.56	2.60	2.31	6.62	8.44	11.52	10.95	7.49	60.17									
KAWEAH RIVER	916	888	864	810	702	638	799	721	877	869	678	710	718	801	661	8984									
WHITAKER FOREST	96.5	97.3	88.8	77.3	64.3	51.6	53.1	60.4	67.4	66.1	87.8	92.0	99.8	98.9	90.8	-									
WHITAKER FOREST	64.0	65.9	60.4	52.0	47.0	41.9	39.0	42.3	45.2	44.2	55.8	61.0	68.9	68.2	62.9	-									
WHITAKER FOREST	15.63	15.93	9.47	7.26	3.39	0.98	1.55	2.06	3.36	3.30	7.36	10.06	14.07	14.05	9.23	76.67									
WHITAKER FOREST	1643	1704	1716	1843	1747	1504	1969	1337	-	-	982	1372	1552	1632	1421	-									
WHITAKER FOREST	91.6	92.3	85.0	76.4	65.5	51.9	53.4	59.7	68.1	67.4	87.9	89.4	95.3	95.4	88.6	-									
WHITAKER FOREST	63.2	65.4	59.1	51.7	46.1	42.3	39.9	42.3	45.5	44.6	57.0	59.8	68.4	68.4	63.6	-									
WHITAKER FOREST	7.94	8.55	5.54	5.74	0.21	914	-	0.91	-	-	-	4.11	7.78	8.14	4.44	-									
WHITAKER FOREST	859	1031	891	940	708	-	-	1007	837	-	-	-	2043	946	744	-									

TABLE A-5 (Cont.)
 EVAPORATION DATA
 SAN JOAQUIN VALLEY

Station Name	Evaporation in Inches												Water Temperature in Degrees Fahrenheit												Total Oct 1 To Sept 30
	1966						1967						1967						Total Oct 1 To Sept 30						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.										
TULE RIVER	74.67	13.04	8.68	6.63	2.99	0.91	1.17	1.83	3.60	3.63	8.76	10.14	13.92	13.14	8.81	75.53									
SUCCESS DAM	14906	1645	1430	1421	1185	1035	1259	990	1199	1106	1103	1179	1247	694	1178	13596									
EVAP		93.0	87.3	77.6	65.7	53.1	54.4	60.4	69.9	68.3	87.0	90.5	97.2	96.6	86.2										
WIND		65.5	67.1	61.4	49.0	43.7	40.5	43.5	47.5	47.3	57.8	62.1	69.2	70.1	65.5										
AV MAX																									
AV MIN																									
KERN RIVER	79.02	14.23	9.59	6.25	2.67	1.65	1.86	2.45	4.48	3.64	8.15	9.97	12.77	11.73	7.48	73.10									
ISABELLA DAM	23502	2435	2501	1917	1467	1718	1575	1302	2259	2156	1961	1999	1681	1385	1244	20664									
EVAP		86.2	87.5	71.0	58.2	51.3	51.3	58.2	63.5	61.4	78.5	82.6	89.5	89.1	81.2										
WIND		58.9	60.3	47.5	42.3	37.7	36.7	37.9	40.8	38.9	51.1	56.3	62.7	62.8	58.2										
AV MAX																									
AV MIN																									
TEHACHAPI MTN	77.69	12.28	8.54	7.06	3.32	3.99	3.96	4.04	3.91	3.11	6.13	9.61	12.15	11.60	9.28	78.16									
CUMMINGS VALLEY 2	28737	2232	2080	2455	2412	3470	3080	2590	2490	2010	1679	2030	1590	1639	1860	27305									
EVAP																									
WIND																									
TULARE L BAS WESTSIDE	92.23	14.78	15.01	7.14	3.49	1.15	2.41	2.63	5.91	4.51	11.50	12.80	16.46	16.03	10.59	94.62									
TAFT KTRB RADIO	15902	1220	1160	980	1010	1150	1440	1040	1930	1650	1600	1730	1210	1180	1340	16260									
EVAP																									
WIND																									

APPENDIX B
SURFACE WATER MEASUREMENT

INTRODUCTION

This appendix presents surface water data for the 1967 water year, which is from October 1, 1966 to September 30, 1967. The data presented consist of daily mean discharge, daily mean gage height, gaging station location, diversion quantities, imported water to report area, exported water from report area, summary tables of monthly and annual unimpaired runoff from major streams, additions and discontinuations, corrections and revisions to previously published reports, and discharge measurements at miscellaneous sites.

Each station in this appendix has been assigned an identification number. The first two digits denote the drainage basin as shown below. The remaining digits further identify each station.

HYDROGRAPHIC AREA B

SAN JOAQUIN RIVER BASIN

- B0 - San Joaquin Valley Floor
- B3 - Stanislaus River
- B4 - Tuolumne River
- B5 - Merced River
- B6 - Fresno-Chowchilla Rivers
- B7 - San Joaquin River
- B8 - San Joaquin Valley on West Side

HYDROGRAPHIC AREA C

TULARE LAKE DRAINAGE BASIN

- C0 - Tulare Lake Valley Floor
- C1 - Kings River
- C2 - Kaweah River
- C3 - Tule River
- C4 - Greenhorn Mountains
- C5 - Kern River
- C6 - Tehachapi Mountains
- C7 - Tulare Lake Basin on West Side

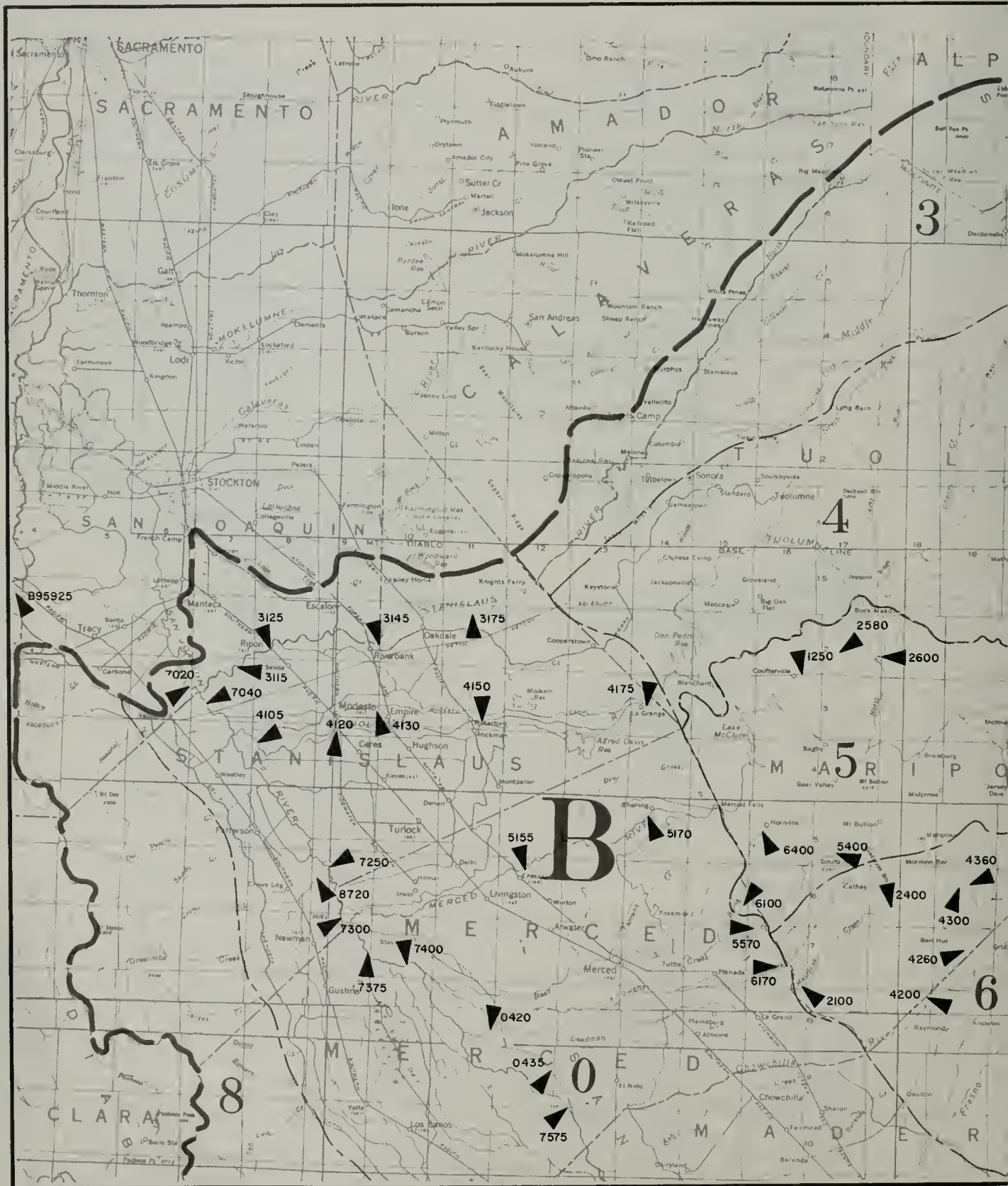
ALPHABETICAL INDEX TO TABLES

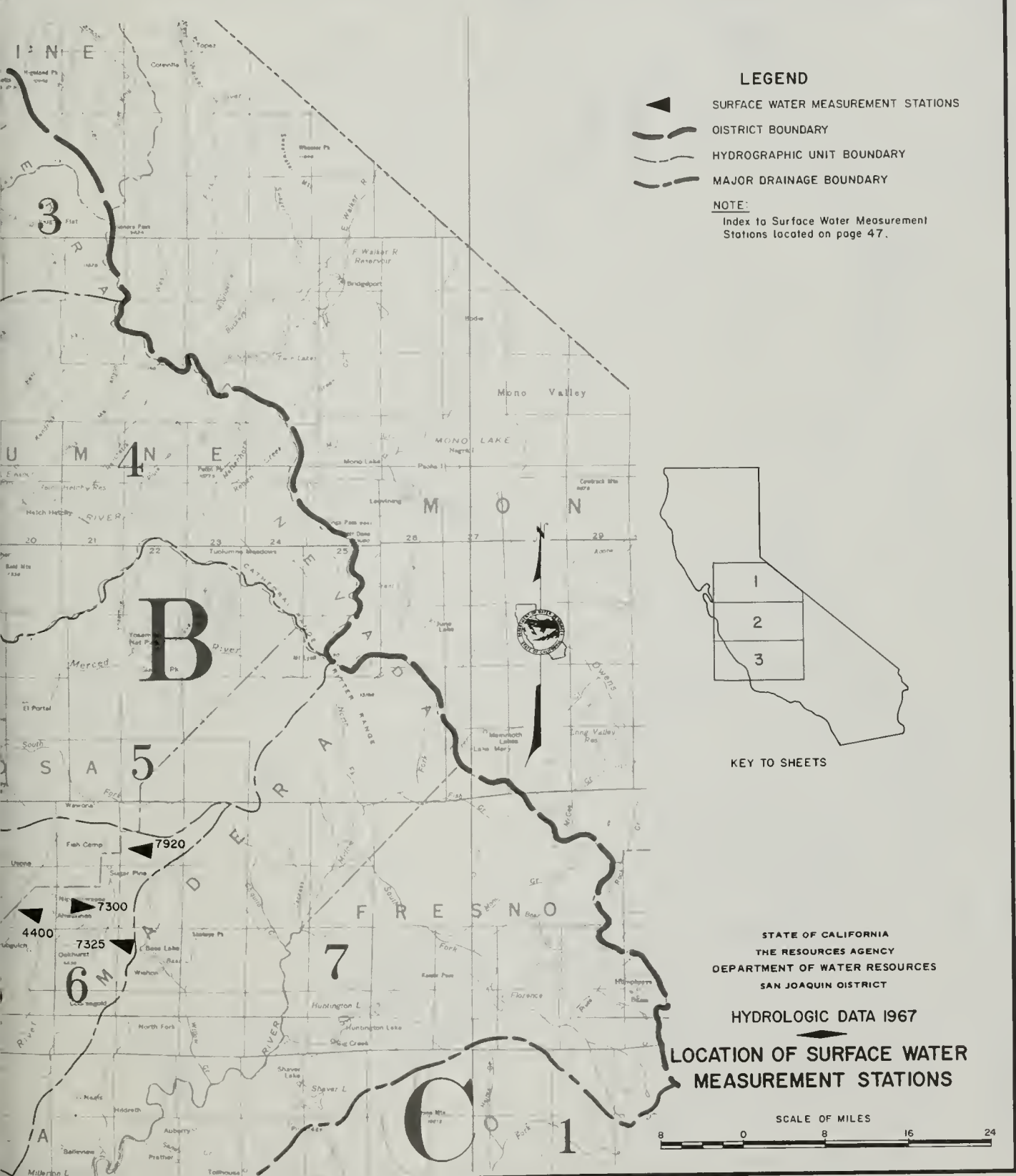
DAILY MEAN DISCHARGE, DAILY MEAN GAGE HEIGHT AND CREST STAGES

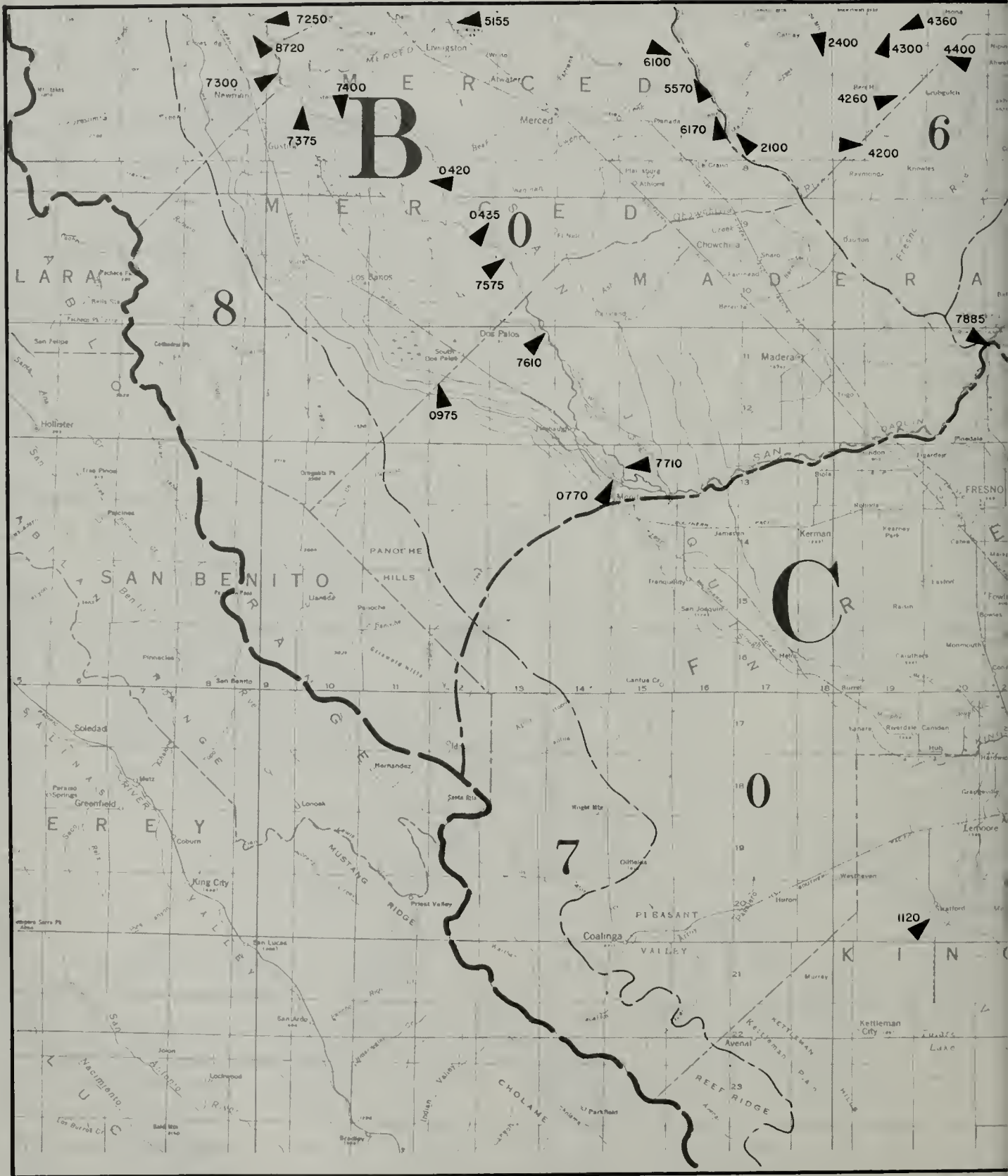
	Page	
	Daily Mean Discharge	Daily Mean Gage Height and Crest Stages
Bean Creek near Coulterville	84	
Bear Creek below Bear Reservoir	78	
near Catheys Valley	77	
Big Creek Diversion near Fish Camp	63	
Buena Vista Creek near Taft	114	
Burns Creek below Burns Reservoir	80	
at Hornitos	79	
Campbell-Moreland Ditch above Porterville	105	
Chowchilla River near Raymond	71	
East Fork near Ahwahnee	67	
Middle Fork near Nipinnawasee	69	
West Fork near Mariposa	68	
Cross Creek below Lakeland Canal #2	100	
Delta-Mendota Canal near Tracy	60	
to Mendota Pool	61	
Dry Creek near Modesto	92	143
Eastside Bypass near El Nido	72	
Fresno River, Lewis Fork near Oakhurst	64	
Friant-Kern Canal Delivery to Porter Slough	101	
to Tule River	102	
Hubbs-Miner Ditch at Porterville	110	
Kern River near Bakersfield	113	
Kings River, South Fork, below Empire Weir #2	99	
Mariposa Bypass near Crane Ranch	75	
Mariposa Creek near Catheys Valley	73	
below Mariposa Reservoir	74	
Maxwell Creek at Coulterville	85	
Merced River at Cressey	87	138
below Snelling	86	137
near Livingston	83	57
North Fork near Coulterville	83	
Miami Creek near Oakhurst	65	
Orestimba Creek near Crows Landing	88	
Owens Creek below Owens Reservoir	76	
Panoche Drain near Dos Palos	82	
Poplar Ditch near Porterville	109	
Porter Slough at Porterville	106	
near Porterville	57	
Porter Slough Ditch at Porterville	107	
Rhodes-Fine Ditch near Porterville	111	
San Joaquin River at Crows Landing Bridge	89	140
near Dos Palos	66	
at Fremont Ford Bridge	136	
below Friant	59	133
at Grayson	57	57
at Hetch Hetchy Aqueduct Crossing	57	
at Maze Road Bridge	94	146
near Mendota	62	
near Newman	139	
at Patterson Bridge	57	
above Sand Slough	134	
near Stevinson	81	135
near Vernalis	98	151
at West Stanislaus I. D. Intake	57	
Stanislaus River at Koetitz Ranch	97	150
at Orange Blossom Bridge	95	147
at Ripon	149	
at Riverbank	96	148
Striped Rock Creek near Raymond	70	
Tulare Lake	132	
Tule River below Porterville	104	
North Fork at Springville	103	
Tuolumne River at Hickman Bridge	91	142
at La Grange Bridge	90	141
at Modesto	144	
at Roberts Ferry Bridge	57	57
at Tuolumne City	93	145
Vandalia Ditch near Porterville	108	
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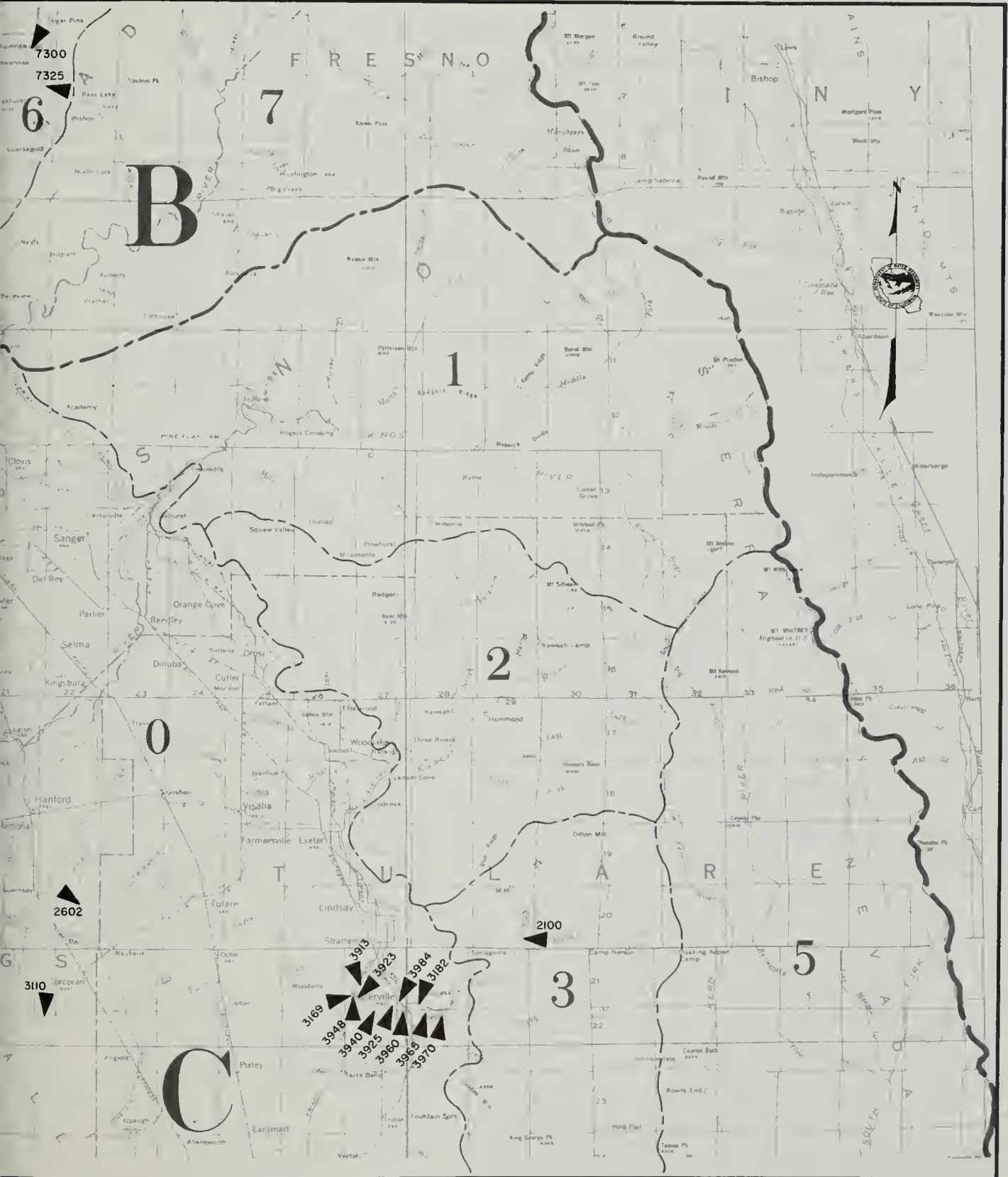
HYDROGRAPHIC AREA AND STREAM BASIN INDEX TO SURFACE WATER MEASUREMENT STATIONS

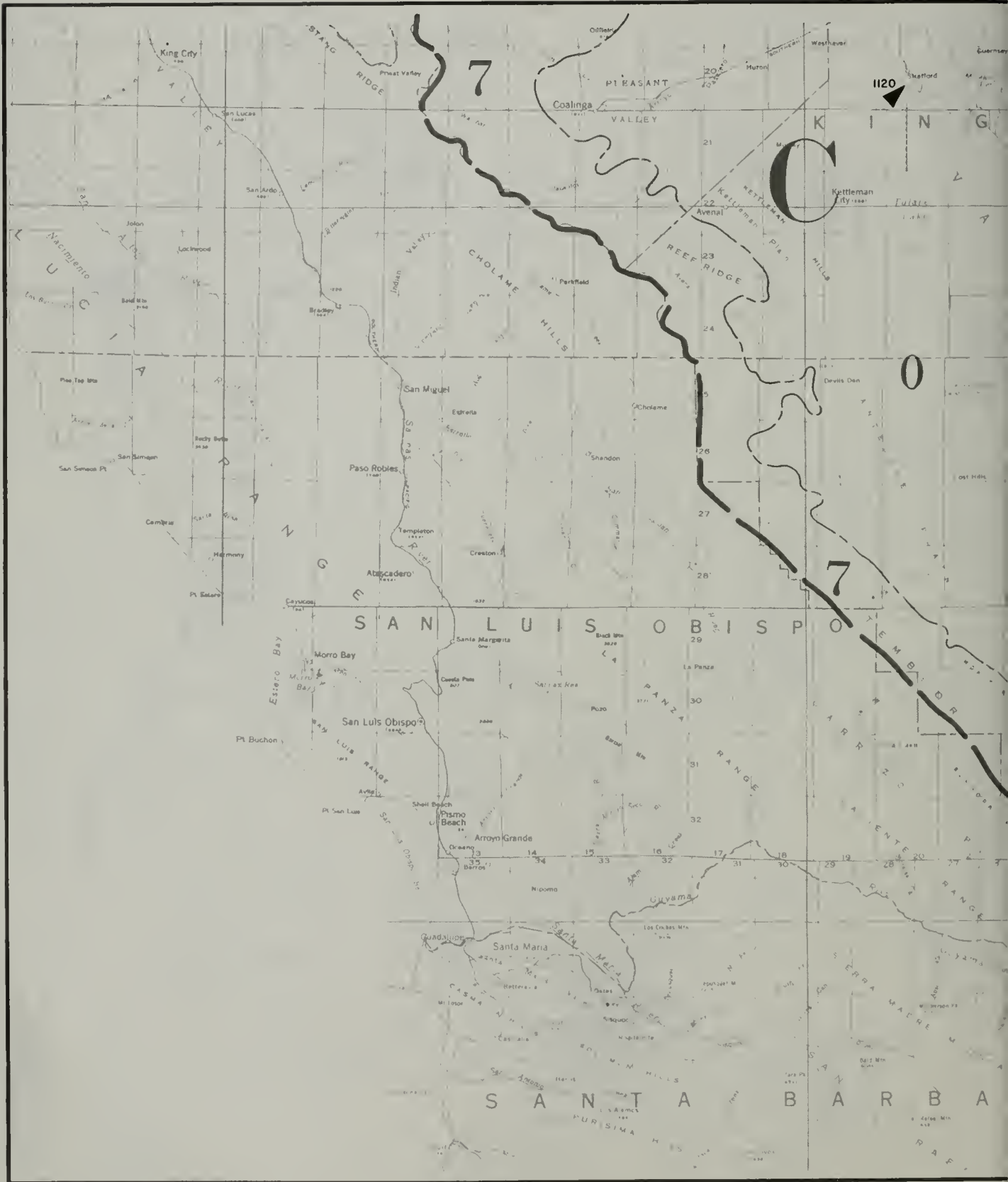
Station Number		Page	
		Daily Mean Discharge	Daily Mean Gage Height and Crest Stages
<u>HYDROGRAPHIC AREA B</u>			
SAN JOAQUIN VALLEY FLOOR			
B00420	Mariposa Bypass near Crane Ranch	75	
0435	Eastside Bypass near El Nido	72	
0770	Delta-Mendota Canal to Mendota Pool	61	
0975	Panoche Drain near Dos Palos	82	
3115	Stanislaus River at Koetitz Ranch	97	150
3125	at Ripon		149
3145	at Riverbank	96	148
3175	at Orange Blossom Bridge	95	147
4105	Tuolumne River at Tuolumne City	93	145
4120	at Modesto		144
4130	Dry Creek near Modesto	92	143
4150	Tuolumne River at Hickman Bridge	91	142
4165	at Roberts Ferry Bridge	57	57
4175	at La Grange Bridge	90	141
5138	Merced River near Livingston		57
5155	at Cressey	87	138
5170	below Snelling	86	137
5570	Bear Creek below Bear Reservoir	78	
6170	Owens Creek below Owens Reservoir	76	
7020	San Joaquin River near Vernalis	98	151
7040	at Maze Road Bridge	94	146
7060	at Hetch Hetchy Aqueduct Crossing	57	
7070	at West Stanislaus I. D. Intake		57
7080	at Grayson	57	57
7200	at Patterson Bridge		57
7250	at Crows Landing Bridge	89	140
7300	near Newman		139
7375	at Fremont Ford Bridge		136
7400	near Stevinson	81	135
7575	above Sand Slough		134
7610	near Dos Palos	66	
7710	near Mendota	62	
7885	below Friant	59	133
8720	Orestimba Creek near Crows Landing	88	
MERCED RIVER			
B51250	Maxwell Creek at Coulterville	85	
2580	Bean Creek near Coulterville	84	
2600	Merced River, North Fork, near Coulterville	83	
5400	Bear Creek near Catheys Valley	77	
6100	Burns Creek below Burns Reservoir	80	
6400	at Hornitos	79	
FRESNO - CHOWCHILLA RIVERS			
B62100	Mariposa Creek below Mariposa Reservoir	74	
2400	near Catheys Valley	73	
4200	Chowchilla River near Raymond	71	
4260	Striped Rock Creek near Raymond	70	
4300	Chowchilla River, West Fork, near Mariposa	68	
4360	Middle Fork, near Nipinnawasee	69	
4400	East Fork, near Ahwahnee	67	
7300	Miami Creek near Oakhurst	65	
7325	Fresno River, Lewis Fork near Oakhurst	64	
7920	Big Creek Diversion near Fish Camp	63	
SACRAMENTO - SAN JOAQUIN DELTA			
B95925	Delta-Mendota Canal near Tracy	60	
<u>HYDROGRAPHIC AREA C</u>			
TULARE LAKE VALLEY FLOOR			
C01120	Kings River, South Fork, below Empire Weir #2	99	
2602	Cross Creek below Lakeland Canal #2	100	
3110	Tulare Lake		132
3169	Tule River below Porterville	104	
3182	Porter Slough at Porterville	106	
3187	near Porterville	57	
3913	Friant-Kern Canal Delivery to Porter Slough	101	
3923	to Tule River	102	
3925	Hubbs-Miner Ditch at Porterville	110	
3940	Rhodes-Fine Ditch near Porterville	111	
3948	Woods-Central Ditch near Porterville	112	
3960	Poplar Ditch near Porterville	109	
3965	Vandalia Ditch near Porterville	108	
3970	Campbell-Moreland Ditch above Porterville	105	
3984	Porter Slough Ditch at Porterville	107	
5150	Kern River near Bakersfield	113	
7120	Buena Vista Creek near Taft	114	
TULE RIVER			
C32100	Tule River, North Fork, at Springville	103	











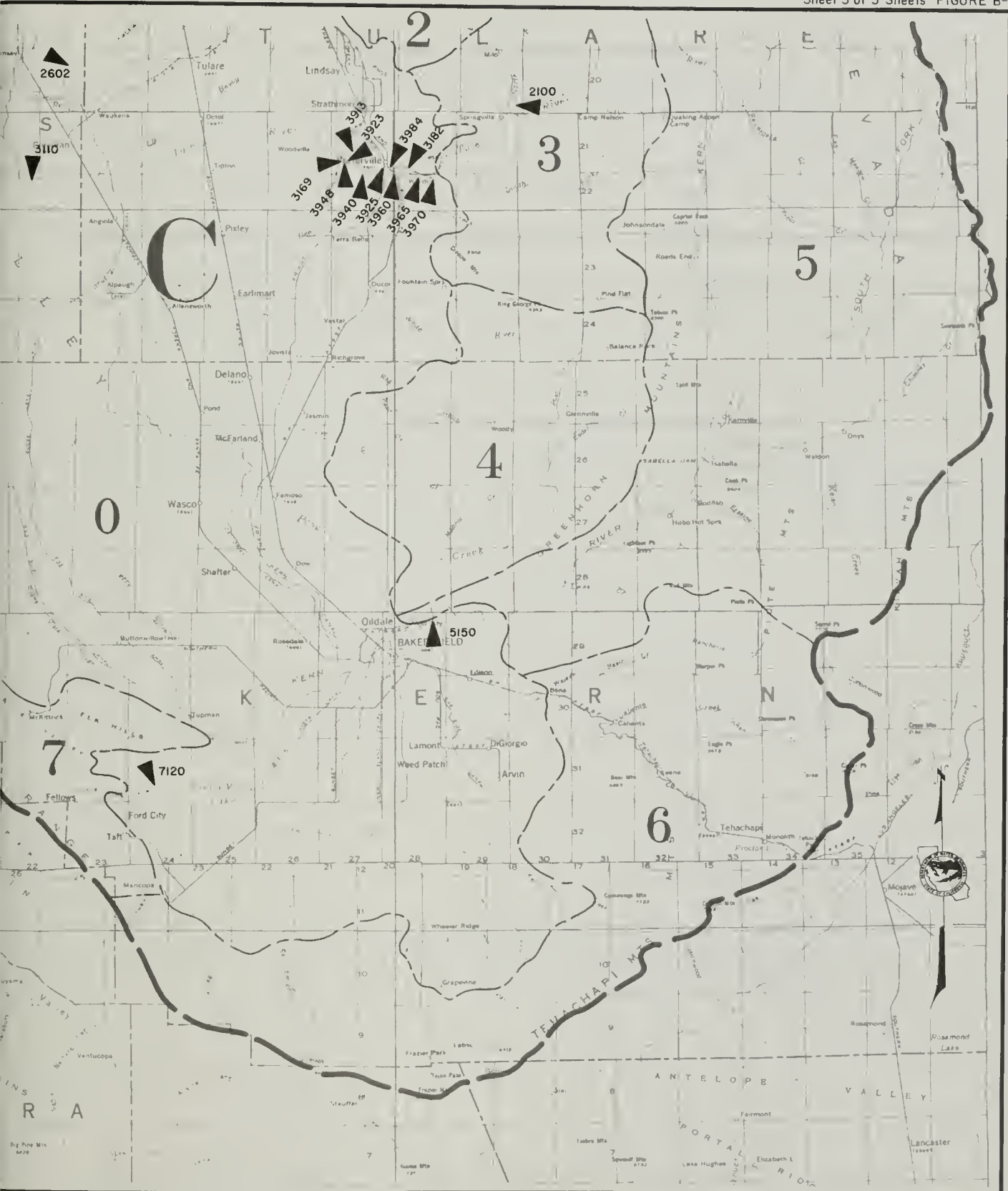


TABLE B-1

ANNUAL UNIMPAIRED RUNOFF

Unimpaired runoff is defined as the flow that occurs naturally at a point in a stream if there were: (1) no upstream controls such as dams or reservoirs; (2) no artificial diversions or accretions; and, (3) no change in ground water storage resulting from development. The computed natural or unimpaired runoff values are considered to be the flows that would occur if no impairments were upstream from the measurement points.

The average unimpaired runoff is in thousands of acre-feet and was computed from the 50-year period October 1915 through September 1965.

TABLE B-1
ANNUAL UNIMPAIRED RUNOFF

In percent of average

Water Year	Stanislaus River below Melones P. H.	Tuolumne River near La Grange	Merced River at Exchequer	San Joaquin River below Friant	San Joaquin River near Vernalis (b)	Kings River Inflow to Pine Flat	Kaweah River Inflow to Terminus	Tule River Inflow to Success	Kern River Inflow to Isabella
Average Annual Runoff (a)	1057	1741	897	1617	5312	1530	383	124	604
1926-27	129	118	121	124	122	130	126		
1927-28	90	88	82	71	82	63	53		
1928-29	49	56	54	53	54	56	58		
1929-30	69	66	57	53	61	56	57		55
1930-31	30	35	29	30	31	30	30	20	31
1931-32	128	121	124	127	125	136	136	112	115
1932-33	58	64	57	69	63	77	74	65	71
1933-34	40	47	40	43	43	43	34	16	38
1934-35	115	121	131	119	121	106	93	72	76
1935-36	125	125	128	115	122	123	127	138	124
1936-37	105	115	135	137	123	153	177	247	183
1937-38	193	197	232	228	212	214	227	287	213
1938-39	50	57	53	57	55	64	65	67	75
1939-40	133	128	122	116	124	117	134	170	115
1940-41	127	144	162	164	150	166	167	191	206
1941-42	141	136	143	139	139	131	128	110	124
1942-43	148	136	144	127	137	132	175	295	166
1943-44	64	75	76	78	74	76	82	83	96
1944-45	121	121	122	132	124	135	144	164	134
1945-46	111	108	105	107	108	105	93	76	107
1946-47	60	63	63	70	64	72	69	42	70
1947-48	85	81	77	75	79	65	68	52	55
1948-49	71	72	71	72	72	63	57	39	49
1949-50	102	89	80	81	88	84	79	50	72
1950-51	160	143	137	115	137	105	110	125	88
1951-52	182	172	174	176	175	187	215	259	231
1952-53	92	88	70	76	82	76	80	80	90
1953-54	84	83	74	81	81	85	80	72	83
1954-55	64	65	60	72	66	72	72	52	59
1955-56	178	182	187	183	182	166	189	169	144
1956-57	85	82	72	82	81	81	77	53	72
1957-58	159	152	157	163	157	161	167	180	174
1958-59	55	57	51	59	56	53	40	26	45
1959-60	56	61	54	51	56	47	47	39	46
1960-61	38	42	35	40	40	37	30	16	29
1961-62	94	102	103	119	106	120	104	70	108
1962-63	120	118	110	120	118	122	130	96	122
1963-64	62	65	50	57	60	56	61	49	52
1964-65	168	159	149	141	153	126	127	110	114
1965-66	69	76	71	80	75	78	64	37	64
1966-67	179	180	188	200	187	211	267	299	258

(a) Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1915 through September 1965.

(b) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

TABLE B-2
MONTHLY UNIMPAIRED RUNOFF

In percent of average
and in thousands of acre-feet (a)

Month		Stanislaus River below Melones P. H.	Tuolumne River below La Grange	Merced River at Exchequer	San Joaquin River below Friant	San Joaquin River near Vernalis (b)	Kings River Inflow to Pine Flat	Kaweah River Inflow to Terminus	Tule River Inflow to Success	Kern River Inflow to Isabella
October	Percent	26	64	69	35	47	38	35	25	66
	Average	8	15	7	18	49	18	4	1	14
November	Percent	115	154	73	102	119	103	122	51	80
	Average	23	39	18	28	107	26	8	4	17
December	Percent	247	259	265	372	285	616	1265	1710	1303
	Average	48	84	43	57	233	48	17	8	23
January	Percent	145	139	117	154	140	181	186	145	240
	Average	54	90	48	60	251	52	18	12	24
February	Percent	94	94	69	109	93	123	134	91	192
	Average	82	137	79	92	390	79	28	18	32
March	Percent	172	181	182	190	182	189	178	102	181
	Average	113	171	92	128	503	106	38	24	45
April	Percent	92	103	143	105	108	97	148	213	109
	Average	199	283	148	237	867	215	64	24	86
May	Percent	171	148	152	157	156	143	184	312	186
	Average	287	440	239	420	1386	421	101	21	142
June	Percent	262	210	253	224	230	225	258	373	244
	Average	177	352	168	368	1064	368	74	9	123
July	Percent	422	478	526	403	444	463	613	690	397
	Average	48	104	44	148	344	138	23	2	59
August	Percent	281	421	409	356	366	393	605	867	367
	Average	12	18	9	43	83	40	6	1	24
September	Percent	276	271	311	376	329	399	493	950	373
	Average	6	8	4	18	36	17	3	0	14
1966-67 Water Year	Percent	179	180	188	200	187	211	267	299	258
	Average	1057	1741	897	1617	5312	1530	383	124	604

- (a) Percent figures are preliminary values and subject to revision. Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1915 through September 1965.
- (b) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE B-3

GAGING STATION
 ADDITIONS AND DISCONTINUATIONS

ADDITIONAL STATIONS		<u>Date</u>
None		
DISCONTINUED STATIONS		
B05138	Merced River near Livingston	1-24-66
B07080	San Joaquin River at Grayson	3-16-66
B07060	San Joaquin River at Hetch Hetchy Aqueduct Crossing	3-17-66
B07200	San Joaquin River at Patterson Bridge	10- 1-66
B07070	San Joaquin River at West Stanislaus I. D. Intake	5- 5-66
B04165	Tuolumne River at Roberts Ferry Bridge	2-18-66
C03187	Porter Slough near Porterville	10- 1-66

TABLE B-4

DAILY MEAN DISCHARGE

The streamflow table is arranged, for each stream or stream system, in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named after the stream and the nearest post office (Merced River at Cressey) or well-known landmark (San Joaquin River at Fremont Ford Bridge).

The discharges estimated for periods of no record or invalid record, are shown with the letter "E". Also, qualified by the letter "E" are discharges obtained from extended ratings which exceed 140 percent of the highest measured flow-rate on which the rating curve was based.

The discharge figures in this table have been rounded off as follows:

1. Daily flows - second-feet

0.0	- 9.9	nearest	Tenth
10	- 999	"	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

2. Monthly means - second-feet

0.0	- 99.9	nearest	Tenth
100	- 9,999	"	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred

3. Yearly totals - acre-feet

0.0	- 9,999	nearest	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred
1,000,000	- 9,999,999	"	Thousand

Those streamflow data received from cooperating agencies are published as received and do not necessarily adhere to the above criteria.

TABLE B-4

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B07885	SAN JOAQUIN RIVER BELOW FRIANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	95	86	49	48	5130 *	37	73	8170	8100	2700	144	122	1
2	95	86	52	48	5090	37	64	8160	8100	2570	116	122	2
3	95	87	51	49	5070	37	58	8100	8100	2740	112	122	3
4	95	87	51	49	4750	37	61	8140	8120	3740	133	122	4
5	93	87	53	49	3750 *	36	101	8170	8140	4220	131	122 *	5
6	93	87	61	49	2780 *	36 *	68	8140	8100	4220	131	120	6
7	91	89	49	49	1770 *	43	150	8160	8120	4230	129	120	7
8	91	82	35	49	502 *	44	112	8120	8170	4020	129	120	8
9	91	80	31	49	45	43	91	8100	7990	3240	129	120	9
10	91	80	30	49	44	53	93	8080	7630	2040	129	120	10
11	91	80	30	49	43	69	1290	8120	7330	780	131	120	11
12	91	80	30	49	42	89	2700 *	8140	7170	188	135	118	12
13	89	80	30	49	66	74	2700 *	8120	6850	188	133	120	13
14	93	73 *	30	49	152	71	3350 *	8120	6660	188	133	120	14
15	99	68	30	51	152	55	3500	8160	6330	188	133	120	15
16	99	69	29	51	89	74	3840	8120	6120	188	131	122	16
17	99	69	29	52	38	68	4070 *	8120	5800	188	131	122	17
18	99	69	29	51	37	55	4930	8140	5660	199	129	118	18
19	99	61	29	51	36	52	6380	8120	5310	178	131	103	19
20	99	52	29	52	36	51	8010 *	8160	5130	164	131	103	20
21	93	51	29	53	36	48	7980	8160	4790	204	129	103	21
22	86	49	49	64	36	46	7630	8160	4640	181	126	103	22
23	86	48	48	64	36 *	46	7810	8160	4290	230	126	103	23
24	86	48	49	66	36	46	7650	8120	3740	241	126	101	24
25	86	48	49	71	68	45	7810	8100	3180	186	126	101	25
26	84 *	48	49	44	49	44	7980	8100	3030 *	191 *	126	101	26
27	84	48	49	41 *	42	44	8070	8100	3050	188	124	101	27
28	84 *	48	49	40	38	45	8080	8100	3080	171	124	97	28
29	84	48	49 *	53	53	53	8120 *	8120 *	3050	155	124	91 *	29
30	84	48 *	49	116	46 *	46 *	8100	8100	3040	155	124	91	30
31	84	49	49	3290	74	74	8100	8100		155	124		31
MEAN	91.3	67.9	40.8	158	1070	51.5	4029	2128	5961	1233	128	112	MEAN
MAX.	99	89	61	3290	5130	89	8120	8170	8170	4230	144	122	MAX.
MIN.	84	48	29	40	36	36	58	8080	3030	155	112	91	MIN.
AC. FT.	5610	4040	2510	9710	59430	3170	239700	499800	354700	75820	7890	6680	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM					MINIMUM				TOTAL	
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
1753	8230	9.66	5	23	1100	29	1.80	12	16		1269000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 59 04	119 43 24	SW 7 11S 21E	77,200	23.8	12-11-37	OCT 07-DATE		1938	--	294.00	USGS

Station located 2 miles downstream from Friant Dam and 1.5 miles downstream from Cottonwood Creek. Flow regulated by Millerton Lake beginning in 1944, and by other upstream reservoirs. Records furnished by U. S. Geological Survey. Drainage area is 1,675 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B95925	DELTA-MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2022	1028	538	176	324	1203	1732	1086	1806	1295	4174	2753	1
2	2050	1158	539	176	215	1340	1731	1159	1699	1358	4245	2518	2
3	2004	1067	613	861	178	1768	1688	1196	1756	1379	4475	2514	3
4	1773	991	611	858	178	2001	1173	1197	2485	1378	4471	2520	4
5	1881	963	358	865	177	2003	1549	1197	1688	1380	4302	2526	5
6	2027	1030	251	864	177	2127	1486	1256	1447	1363	4552	2520	6
7	2025	1028	215	865	213	2269	1274	1277	1615	1363	4433	2529	7
8	2019	865	250	865	213	2208	1345	1280	1691	1286	4448	2527	8
9	2020	862	213	790	213	2381	1277	1421	1728	1286	4447	2357	9
10	2022	865	213	788	215	2526	1216	1354	1808	1285	4411	2261	10
11	1923	866	213	866	215	2260	1146	1425	2488	1281	4435	2287	11
12	1917	867	213	867	611	2170	1425	1431	1814	1285	4428	2859	12
13	1874	867	249	865	614	1679	975	1741	1776	2919	4465	2868	13
14	1903	932	322	864	685	1266	722	1738	2012	3148	4283	2798	14
15	1905	1044	357	863	865	1332	723	1737	2025	3083	4159	2833	15
16	1908	1180	356	862	931	1207	652	1836	2012	2843	4165	2851	16
17	1907	1098	681	922	994	1204	866	1974	2108	2783	4159	2740	17
18	1908	926	680	924	995	1346	867	2541	2896	2545	4213	2200	18
19	1908	928	677	1024	998	1348	871	2543	2115	2109	4375	2123	19
20	1912	964	675	1029	996	1288	870	2548	2207	2026	4350	1940	20
21	1912	896	599	971	1095	1860	871	2555	2218	2805	4349	2032	21
22	1835	859	462	873	1163	2233	944	2614	2372	3333	4281	2096	22
23	1882	862	68	581	1163	2550	1525	2618	2297	3330	4150	2206	23
24	1720	864	69	505	1165	2570	946	2565	2259	4026	4067	2277	24
25	1426	862	69	324	1165	2600	1196	2049	2845	4034	3902	2210	25
26	1261	864	70	360	1163	2600	1179	1817	2257	4027	3644	2533	26
27	1227	865	716	650	1160	2568	1112	2040	2253	4058	3624	2779	27
28	1227	866	715	760	1095	2032	1042	2283	2215	4051	3630	2850	28
29	1225	682	826	761		2062	947	2102	2124	4158	3553	2851	29
30	1239 a	573	867	471		2138	1060 b	2204	1622	4166	3332	2812	30
31	1191		464	325		1941		1870		4169	3369		31
MEAN	1776	924	424	735	685	1938	1147	1828	2055	2566	4158	2506	MEAN
MAX.	2050	1180	867	1029	1165	2600	1732	2618	2896	4169	4552	2868	MAX.
MIN.	1191	573	68	176	177	1203	652	1086	1447	1281	3332	1940	MIN.
AC. FT.	109298	54986	26081	45174	38035	119167	68164	112372	122257	157789	255652	149098	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 H - E AND *
 a - 25-HOUR DAY
 b - 23-HOUR DAY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
1738	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	1258073

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 47 45	121 35 05	SW 31 1S 4E				JUN 51-DATE			1951		0.00	USGS

Station located at Tracy Pumping Plant at intake to canal, 6 miles southeast of Byron, 10 miles northwest of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it is lifted about 200 feet into canal. Records furnished by U. S. Bureau of Reclamation.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	BO0770	DELTA-MENDOTA CANAL TO MENDOTA POOL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1459	600	209	0	0	943	1231	0	0	0	2545	2193	1
2	1460	550	196	0	0	1052	1231	0	0	0	2460	1740	2
3	1400	508	195	0	0	1308	1241	0	13	0	2586	1740	3
4	1435	509	194	0	0	1510	873	0	15	0	2639	1737	4
5	1355	509	0	0	0	1510	478	0	12	0	2639	1781	5
6	1353	558	0	0	0	1514	513	0	12	0	2639	1779	6
7	1397	563	0	0	0	1692	582	0	12	0	2630	1790	7
8	1397	556	0	0	0	1693	686	0	12	0	2522	1738	8
9	1398	520	0	0	0	1693	688	0	12	0	2554	1590	9
10	1356	427	0	0	0	1751	688	0	12	0	2311	1323	10
11	1340	427	0	0	0	1550	545	0	12	0	2689	1418	11
12	1252	427	0	0	428	1550	742	0	12	0	2894	1348	12
13	1304	427	0	0	408	1082	283	0	12	1493	2999	1364	13
14	1317	417	0	0	436	924	0	0	12	1767	2846	1391	14
15	1318	427	0	0	581	786	0	0	12	1683	2758	1423	15
16	1318	455	0	0	607	839	0	0	12	1300	2533	1481	16
17	1350	462	0	452	668	840	0	0	12	1283	2624	1480	17
18	1364	448	0	700	668	1042	0	0	12	900	2624	1430	18
19	1372	448	0	730	669	1043	0	0	12	465	2719	1466	19
20	1320	449	0	724	684	1104	0	0	12	356	2721	1455	20
21	1321	443	0	722	891	1381	0	0	12	1028	2682	1390	21
22	1320	415	0	719	891	1694	0	0	12	1630	2847	1418	22
23	1320	389	0	483	932	1812	0	0	12	1851	2665	1640	23
24	1271	389	0	352	925	1900	0	0	12	2271	2831	1640	24
25	960	354	0	242	924	1901	0	15	12	2371	2394	1661	25
26	885	354	0	233	924	1901	0	13	12	2230	2394	1773	26
27	922	354	0	565	917	1990	0	11	27	2270	2393	1782	27
28	890	343	0	566	927	1762	0	9	40	2288	2361	1848	28
29	891	a	0	566	0	1482	0	0	40	2288	2253	1820	29
30	891	274	0	324	0	1524	0	0	12	2289	2151	1985	30
31	867	0	0	105	0	1520	0	0	0	2356	2310	0	31
MEAN	1252	444	25.6	241	446	1429	326	1.5	13.7	1036	2588	1621	MEAN
MAX.	1460	600	209	730	932	1990	1241	15	40	2371	2999	2193	MAX.
MIN.	867	274	0	0	0	786	0	0	0	0	2151	1323	MIN.
AC. FT.	77038	26440	1575	14842	24754	87854	19400	95	815	63707	159100	96444	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AHD *
 a - 25-hour day

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
790	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	572064

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 47 11	120 23 05	NW 19 13S 15E									

Station located approximately 2 miles north of Mendota, where Delta-Mendota Canal crosses the Outside Canal, which is 0.8 mile northwest of Bass Avenue crossing (check No. 21). Flow measured by three Sparling meters located at siphon outlet. Records furnished by U. S. Bureau of Reclamation.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B07710	SAN JOAQUIN RIVER NEAR MENDOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	205	68	86	0	181	214	272	4378	3195	1866	423	371	1
2	205	61	82	0	72	193	268	4338	3270	2335	422	381	2
3	175	59	80	0	430	173	221	4315	3375	2382	429	378	3
4	132	56	78	0	1034	175	342	4090	3354	2498	427	374	4
5	103	55	88	0	1332	177	276	4068	3291	2567	411	370	5
6	992	52	111	0	1282 *	200	191	3872	3361	2596	414	356	6
7	76	47	409	0	656	231	186	3711	3459	2521	407	324	7
8	84	44	567	12	318	236	182	3578	3515	2329	398	300	8
9	98	46	328	20	268	226	180	3238	2977	2184	405	294	9
10	98	47	426	20	336	217	186	3081	2631	1772	418	292	10
11	106	60	348	20	258	200	208	3026	2579	1391	431	292	11
12	118	59	244	22	180	158	352	2838	2515	1161	445	294	12
13	120	59	154	23	175	140	694	2420	2246	961	460	306	13
14	120	56	95	24	171	142	639	2190	2005	1025	459	304	14
15	118	54	61	24	166	150	806	2101	1730	1334	454	286	15
16	118	53	54	22	152	158	1004	1847	1422	1052	462	280	16
17	118	51	32	26	144	152	1198	2161	1330	851	474	272	17
18	146	55	27	54	162	146	906	2312	1202	1029	493	270	18
19	169	92	26	67	182	144	884	2358	1182	1097	488	266	19
20	148	90	24	76	180	173	983	2376	1520	695	471	282	20
21	131	90	19	68	164	214	2218	2358	1916	650	474	296	21
22	129	90	18	59	152	246	2938	2364	1967	602	478	322	22
23	121	90	17	66	148	271	3900	2674	1920	587	465	334	23
24	108	90	15	68	140	301	4135	2745	1911	538 *	436	343	24
25	116	92	14	61	129	301	4142	2758	1901	493	411	324	25
26	144	92	14	59	120	301	4090	2758	1878	474	411	310	26
27	160	92	16	56	120	301	4158	2794	1845	469	403	314	27
28	158	90	11	55	166	301	4322	2843	1911	440	407	332	28
29	146	90	8	58	298	298	4405	3004	1995	422	400	341	29
30	134	88	10	61	298	298	4375	3148	2024	425	392	339	30
31	113		3	90	298	298		3136		425	383		31
MEAN	129	69	112	36	315	217	1622	2996	2314	1264	434	318	MEAN
MAX.	205	92	567	90	1332	301	4405	4378	3515	2596	493	381	MAX.
MIN.	76	44	3	0	72	140	180	1847	1182	422	383	266	MIN.
AC. FT.	7950	4100	6870	2200	17490	13360	96520	184230	137710	77700	26680	18940	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW BY O.W.R.
 # - E AHD *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
820	4460	12.72	4	29	1200	0.0					593750

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 48 37	120 22 35	SW 7 13S 15E	11740a 8840	13.75	6-20-41 6- 1-52	OCT 39-DATE		1939		142.53	USBR

Station located 2.5 miles downstream from Mendota Dam, 4 miles north of Mendota. Records furnished by U. S. Bureau of Reclamation. Drainage area is 3,943 square miles. This station is equipped with DWR radio telemeter.

a Maximum discharge of record prior to the construction of Friant Dam in 1944.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B67920	BIG CREEK DIVERSION NEAR FISHCAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.9	1.8	13	22 E	31	26 *	28	24	40	41	23	0.0	1
2	2.0	1.7	26	22	29	27	28	24 *	40	41	22	0.0	2
3	2.0*	1.9*	20	20	28	27	28	25	40	42	22	0.0	3
4	2.0	2.0	19	19	27	26	28	24	40	41	21	0.0	4
5	1.9	2.0	22 *	18 *	27	25	28 *	25	38 *	41	18	1.0*	5
6	1.9	3.1	14	19	28	26	27	25	39	41 *	16	3.4	6
7	2.0	4.7	1.9	14 E	28	27	27	26	41	41	15	4.4	7
8	1.8	3.6	1.9	17 E	28	28	28	25	39	41	15 *	4.4	8
9	1.8	3.0	1.8	17 E	28	28	27	24	40	40	14	4.4	9
10	1.8	2.7	1.7	17	29	28	27	24	40	40	13	4.4	10
11	1.7	2.5	2.0	17	30	23	27	23	40	39	13	4.4	11
12	1.7	2.6	2.0	17	30	27	27	23	40	39	12	4.4	12
13	1.8	2.4	2.2	17	30	27	27	23	40	40	12	4.4	13
14	1.9	2.1	2.2	17	29	29	27	23	40	39	12	4.1	14
15	1.8	2.3	15	17	28	29	26	24	40	39	12	4.1	15
16	1.8	18	28	17	27	36	26	23	40	38	11	4.1	16
17	1.9	6.6*	28	17	26	32	26	23	40	36	11	4.1	17
18	1.8	4.1	28	16	27	30	25	22	41	35	10	4.1	18
19	1.8	5.9	27	16 *	27	29	23	21	41	34	10	4.1*	19
20	1.9	18	27	19	26	29	24	16	41	32	10	4.1	20
21	1.9	9.4	26 *	26	26	29	25	11	41	31	9.1	4.1	21
22	1.9	7.4	25	20	26	29	27	11	41	30	8.8	4.1	22
23	1.8	6.9	24	24	26	29	26	10	41	29	8.8	4.4	23
24	1.8	6.0	24	19	25	29	25	10	41	28	8.8	4.4	24
25	1.8	16	23	25	26	29	25	28	41	27	9.5	4.1	25
26	1.9	7.7	23	24	25	29	25	42	41	26	8.8	4.1	26
27	1.9	5.8	20	24	25	29	25	41	41	26	8.4	4.1	27
28	1.9	12	15 E	23	26	29	25	41	41	25	8.0	4.1	28
29	1.9	14	23 E	31		29	25	41	42	25	7.4	4.1	29
30	1.8	13	23 E	33		29	24	41	41	24	7.4	3.9	30
31	1.9		20 E	33		29		41		24	1.7		31
MEAN	1.9	6.3	17.1	20.5	27.4	28.3	26.2	25.3	40.4	34.7	12.2	3.5	MEAN
MAX.	2.0	18	28	33	31	36	28	42	42	42	23	4.4	MAX.
MIN.	1.7	1.7	1.7	14 E	25	23	23	10	38	24	1.7	0.0	MIN.
AC. FT.	114	375	1049	1263	1523	1741	1559	1555	2402	2132	751	209	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
20.3		43	3.01	5	25	1900	0.0		8	31	1000	14670

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 28 10	119 36 52	NE25 5S 21E		3.58	1-30-63	DEC 58-DATE			1958		0.00	LOCAL

Station located 195 feet upstream from road culvert, 1.4 miles southeast of Fish Camp. This is regulated diversion from Big Creek to Lewis Pork, Fresno River. Stage-discharge relationship at time affected by ice and extreme high flows affected by 36-inch culvert pipe below station. Altitude of gage is approximately 5,400 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B67325	LEWIS FORK FRESNO RIVER NEAR OAKHURST

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.7	4.3	26	37	123	66	112	126	159	105	49	6.6	1
2	3.8	4.0	127	36	97	66 *	115	133	153	103	47	5.8	2
3	3.9*	3.7	116	36	83	70	108	140 *	150	101	46	6.4	3
4	4.3	4.1*	50	35	75	66	146	150	148	98	44	5.9	4
5	4.1	4.2	435 *	35	73	62	150	153	156	97	42	5.4*	5
6	3.7	5.8	956 *	34 *	72	64	141 *	145	148 *	94	41	5.7	6
7	3.7	14	162	31	70	64	254	161	145	93 *	38	6.1	7
8	3.8	10	70	33	68	64	161	182	142	91	38 *	6.8	8
9	3.8	8.7	49	33	67	64	140	189	139	90	38	8.2	9
10	3.6	7.7	39	33	68	64	142	247	137	88	37	9.2	10
11	3.5	7.6	33	34	69	78	153	180	134	86	35	10	11
12	3.3	7.6	34	34	69	139	128	155	132	84	35	12 *	12
13	3.9	7.4	51	34	69	139 *	124	147	131	85	32	11	13
14	4.2	7.3	47	33	68	102	122	152	130	88	31	11	14
15	4.6	7.9	45	33	63	91	139	166	128	86	30	11	15
16	4.6	39	55	33	60	366	126	179	127	86	29	11	16
17	4.8	23	54	32	57	220	120	186	125	83	28	11	17
18	4.6	13	52	32	57	164	174	185	123	83	27	18	18
19	3.9	11	50	32 *	57	138	147	178	122	75	26	16	19
20	4.1	38	50	34	57	122	144	176	120	74	26	13	20
21	4.4	30	48 *	84	55	116	145	172	119	71	25	12	21
22	4.7	31	45	85	54	113	150	167	118	67	23	13	22
23	5.1	19	44	58	56	110	150	167	116	66	22	14	23
24	4.2	15	42	73	63	106	178	192	113	65	22	14	24
25	3.9	13	42	65	72	102	162	192	111	63	23	16	25
26	4.0	13	41	61	65	100	163	199	110	60	23	13	26
27	3.7	13	32	63	66	97	171	191	109	56	21	12	27
28	4.1	31	29	61	65	119	154	184	107	55	19	11	28
29	4.3	37	39	149		113	132	178	107	53	14	12	29
30	4.3	30	39	232		103	125	172	106	53	13	11	30
31	4.2		36	210		107		167		51	12		31
MEAN	4.1	15.3	94.8	58.6	68.5	110	146	171	129	79	30.2	10.6	MEAN
MAX.	5.1	39	956	232	123	366	254	247	159	105	49	18	MAX.
MIN.	2.7	3.7	26	31	54	62	108	126	106	51	12	5.4	MIN.
AC. FT.	250	913	5827	3600	3804	6734	8680	10530	7666	4860	1857	631	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
76.5	1500	4.37	12	6	0700	2.5	0.93	10	1	0000	55360

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 20 44	119 38 20	SE 2 7S 21E	2000	5.00	2-1-63	SEP 61-DATE		1961	DATE	0.00	LOCAL

Station located 1.6 miles north of Oakhurst on Highway 41, 500 feet downstream from White Oaks Guest Home. Station located on left bank above concrete weir. Drainage area is 32.5 square miles. Altitude of gage is approximately 2,520 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B67300	MIAMI CREEK NEAR OAKHURST

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.4	0.7	3.6	4.8	32	7.9*	21	31	36	14	7.4	4.3E	1
2	0.4	0.7	50	4.8	21 *	7.4	21	37 *	34	13	7.4	4.1E	2
3	0.5*	0.6*	45	4.6	16	7.9	20	40	33	13	7.4	3.9E	3
4	1.0	0.6	10	4.6	15	7.9	27	42	33	12	7.4	3.8E	4
5	1.0	0.6	180	4.6*	13	7.2	26 *	42	35 *	10	7.0	3.8#	5
6	0.9	0.9	335 *	4.6	13	7.7	29	43	33	11 *	7.0	3.3	6
7	0.6	2.8	57	4.4	12	7.4	55	49	31	10	6.5	3.3	7
8	0.4	1.6	23	4.4	11	7.4	35	54	29	10	6.7*	3.1	8
9	0.7	1.2	16	4.4	11	7.4	32	54	29	9.8	6.5	3.1	9
10	0.6	1.1	13	4.1	11	7.7	32	69	27	9.3	6.5	3.0	10
11	0.5	1.2	10	4.1	11	13 E	30	51	26	9.3	6.3	3.0	11
12	0.5	1.0	9.5	4.1	11	37 E	26	44	26	9.0	5.8	3.1	12
13	0.6	1.0	8.4	4.1	11	36 E	28	43	24	8.7	5.8	3.0	13
14	0.6	1.0	7.9	4.1	10	26 E	30	46	23	8.4	5.6	3.0	14
15	0.6	1.0	7.7	3.8	9.8	23 E	30	49	22	8.7	5.4	2.8	15
16	0.9	8.4	7.0	3.8	9.3	147 E	27	53	21	8.7	5.2	2.8	16
17	0.8	3.9	6.7	3.8	9.0	62 E	27	57	17	8.4	5.0	2.8	17
18	0.8	1.9	6.5	3.8	9.0	40 E	39	59	16	8.4	5.0	3.9	18
19	0.8	1.6	6.0	3.8*	8.4	31 E	32	59	17	8.4	4.6	4.3	19
20	0.8	6.0	5.8	3.9	8.2	28 E	29	61	18 *	8.2	4.4	3.8	20
21	0.8	6.0	5.4*	11	7.9	26 E	27	63	17	8.2	4.4	3.6	21
22	0.8	7.2	5.4	14	7.7	27	26	63	16	8.2	4.3	3.6	22
23	0.8	3.8	5.2	8.7	7.7	26	26	62	14	8.2	4.1	3.8	23
24	0.8	2.7	5.2	9.3	7.2	24	29	59	14	8.2	4.1	3.8	24
25	0.7	2.3	5.0	9.3	7.9	22	30	55	15	8.2	4.3	3.9	25
26	0.7	2.0	5.2	9.0	7.7	22	32	51	15	7.9	4.3E	3.9	26
27	0.7	1.9	5.0	9.5	7.4	21	36	48	15	7.7	4.3E	3.8	27
28	0.8	5.6	5.4	11	7.4	25	33	46	14	8.2	4.3E	3.8	28
29	0.7	9.0	5.4	39		26	28	44	14	7.9	4.4E	3.8	29
30	0.6	4.6	5.4	66 *		22	28	41	13	7.9	4.4E	3.6	30
31	0.7		5.0	65		22		39		7.7	4.4E		31
MEAN	0.7	2.8	27.9	10.9	11.2	25.2E	29.7	50.1	22.6	9.2	5.5	3.5	MEAN
MAX.	1.0	9.0	335	66	32	147 E	55	69	36	14	7.4	4.3	MAX.
MIN.	0.4	0.6	3.6	3.8	7.2	7.2	20	31	13	7.7	4.1	2.8	MIN.
AC. FT.	43	164	1717	667	620	1551E	1767	3082	1343	568	338	210	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE	16.7	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET	12070
		553	7.81	12	6	0550	0.3	2.43	10	1	0000		

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 23 38	119 39 10	SE22 6S 21E	804 (revised)	9.08	2-1-63	DEC 59-DATE		1959	DATE	0.00	

Station located 150 feet downstream from bridge, 4.5 miles north of Oakhurst. Tributary to Fresno River. Stage-discharge relationship at times affected by ice. Drainage area is 10.6 square miles. Recorder installed December 15, 1959. Maximum discharge of record was revised to 804 cfs. from rating curve extended above 544 cfs. which more clearly defines the stage-discharge relationship of the higher flows. (Previously reported as 1140E cfs. based on a rating extended above 202 cfs.) Altitude of gage is approximately 3,500 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B07610	SAN JOAQUIN RIVER NEAR DOS PALOS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0	0	202	12	0	4352	2509	954	12	12	1
2			0	0	228	12	5	4260	2619	1134	12	12	2
3			0	0	166	4	9	4180	2682	1244	12	3	3
4			0	0	587	0	12	4064	2790	1300	3	0	4
5			0	0	1002	0	212	3850	2691	1412	0	5	5
6			25	0	1289	0	115	3770	2682	1517	0	12	6
7			146	0	1171	0	67	3510	2862	1517	9	12	7
8			492	0	642	0	49	3330	2970	1426	12	3	8
9			544	0	315	0	24	2960	2852	1251	12	0	9
10			462	0	277	0	18	2610	2005	1086	12	0	10
11			510	0	292	0	32	2475	1820	648	12	0	11
12	N	N	438	0	188	0	131	2421	1772	423	3	0	12
13	O	O	338	0	126	4	368	2061	1573	306	0	0	13
14			257	0	106	9	500	1660	1230	250	0	5	14
15			182	0	86	0	592	1433	990	360	0	6	15
16	F	F	123	0	55	0	745	1305	642	414	0	8	16
17	L	L	82	0	41	0	942	1124	490	215	9	8	17
18	O	O	63	0	26	0	1006	1405	394	187	12	0	18
19	W	W	19	0	25	0	795	1538	339	363	12	0	19
20			0	0	26	0	826	1552	345	160	12	5	20
21			0	51	15	0	1098	1573	678	76	12	12	21
22			0	96	9	0	2133	1552	875	63	12	12	22
23			0	75	6	0	3150	1620	880	49	3	12	23
24			0	92	6	0	3921	1932	831	28	0	9	24
25			2	109	5	0	4120	1964	815	0	0	0	25
26			6	69	3	0	4050	1980	800	0	0	0	26
27			4	15	0	0	4050	1989	760	0	0	0	27
28			1	12	0	0	4140	2088	755	0	0	9	28
29			0	70	0	0	4320	2169	805	0	0	12	29
30			0	125	0	0	4350	2430	919	0	9	9	30
31			0	158	0	0		2520		0	12		31
MEAN			119	28.1	246	1.3	1393	2441	1479	528	6.2	5.5	MEAN
MAX.			544	158	1289	12	4350	4352	2970	1517	12	12	MAX.
MIN.			0	0	0	0	0	1124	339	0	0	0	MIN.
AC. FT.			7330	1730	13670	81	82870	150110	88020	32500	381	329	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW BY D.W.R.
 H - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE	521	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
		4360	9.32	4	29	2400	0.0		10	1	0000	377021

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO OH GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 59 38	120 30 02	N 12 11 S 13 E	8920a 8200	10.52b	6-24-41 6-5-52				1940	116.5	USED

Station located 800 feet downstream from the head of Temple Slough, 6.5 miles east of Dos Palos. Records furnished by U. S. Bureau of Reclamation. Drainage area is approximately 4,672 square miles.

a Maximum discharge of record prior to the construction of Friant Dam in 1944.
 b Gage height at site and datum then in use.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B64400	EAST FORK CHOWCHILLA RIVER NEAR AHWAHNEE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.7	6.9	11	173	25	154	200	97	26	7.2	2.3	1
2	0.0	0.7	96	10	126	24	183	203	93	24	6.7	2.3	2
3	0.0	0.8	149	10	101	24	148	205	88	24	6.7	2.6	3
4	0.0*	0.8*	32	10	87	27	256	200	85	22	6.3*	2.8	4
5	0.0	0.7	476	10	74	25	257	198	92	21	6.3	2.6	5
6	0.0	1.1	1310 *	11 *	62	24 *	203	188	88	24	5.9	2.6*	6
7	0.0	3.5	231	10	53	24	598 *	195	83	21	6.3	2.6	7
8	0.0	3.5	98	11	46 *	23	266	205	80	20	5.9	2.6	8
9	0.0	2.2	47	11	44	23	210	213	77	20	5.9	2.6	9
10	0.0	1.6	18	11	40	20	207	283 *	76	19	5.4	2.6	10
11	0.0	1.9	16	10	38	84	311	205	72	19	5.4	2.6	11
12	0.0	1.9	16	10	37	342	223	186	74 *	18	5.1	2.6	12
13	0.0	1.9	17	9.6	35	364 *	197	179	72 *	18 *	4.7	2.8	13
14	0.1	1.9	17	9.3	34	219	181	174	66	16	4.3	2.6	14
15	0.1	1.9	17	9.3	32	150	232	172	60	16	4.3	2.3	15
16	0.2	8.5	17	9.3	31	733 *	204	172	56	16	4.3	2.3	16
17	0.2	11	17	9.3	30	286	179	174	50	15	4.0	2.3	17
18	0.3	5.2	16	9.3	29	193	452	172	45	14	3.4	4.3	18
19	0.4	4.0	15	9.1	28	152	419	163	43	14	3.4	8.2	19
20	0.3	15	14	9.3	28	132	407	156	42 *	14	3.4	5.1	20
21	0.4	21	13	35	25	120	461	148	39	13	3.7	4.3	21
22	0.4	26	12	130	25	112	452	142	36	13	3.4	3.7	22
23	0.4	19	12	53	25	105	398	134	35	12	3.4	4.0	23
24	0.4	8.9	12	220	24	104	447	128	35	12	3.4	4.0	24
25	0.4	6.6	12	147	40	98	334	122	32	11	3.1	4.0	25
26	0.4	5.4	13	86	33	97	295	116	31	9.8	3.1	4.0	26
27	0.4	5.4	11	78	29	95	303	109	31	9.3	2.8	3.4	27
28	0.4	5.7	11	74	27	120	293	105	30	8.7	2.8	3.4	28
29	0.6	14	11	174	122	231	103	29	29	8.2	2.8	3.1	29
30	0.6	8.4	11	397 *	105	216	100	28	28	8.2	2.6	3.4	30
31	0.7		11	369	140		102			7.7	2.6		31
MEAN	0.2	6.3	88.9	63.3	48.4	133	291	166	58.8	15.9	4.5	3.3	MEAN
MAX.	0.7	26	1310	397	173	733	598	283	97	26	7.2	8.2	MAX.
MIN.	0.0	0.7	6.9	9.1	24	20	148	100	28	7.7	2.6	2.3	MIN.
AC. FT.	13	375	5460	3893	2690	8156	17290	10220	3501	980	275	194	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AHD *

MEAN		MAXIMUM					MINIMUM				TOTAL	
DISCHARGE	73.3	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
		2660	9.15	12	6	1500	0.0		10	1	0000	53050

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O B & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 20 09	119 48 59	SE 7 7S 20E	3710E	10.34	1-31-63	NOV 57-DATE		1957	DATE	0.00	LOCAL

Station located 1.1 miles upstream from the mouth, 5.5 miles west of Ahwahnee. Drainage area 57.8 square miles. Maximum discharge of record from rating curve extended above 2,494 cfs. Altitude of gage 980 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B64300	WEST FORK CHOWCHILLA RIVER NEAR MARIPOSA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.0	0.1	1.5	87	11	133	107	28	2.3			1
2		0.0	103	1.3	58	10	149	100	24	2.2			2
3		0.0	75	1.3	44	12	108	97	22	2.0			3
4	*	0.0*	7.8	1.3	37	13	203	92	20	1.8			4
5		0.0	342	1.3	31	11	210	87	25	1.6			5
6		0.0	843 *	1.2*	27	10 *	183	81	24	1.8		*	6
7		0.0	94	1.3	23	10	415 *	75	21	1.3			7
8		0.0	38	1.3	20 *	10	170	71	19	1.3			8
9		0.0	20	1.3	18	9.9	129	69	17	1.1			9
10		0.0	13	1.4	18	9.8	121	97 *	16	0.9			10
11		0.0	8.7	1.4	16	99	217	73	15	0.7			11
12	N	0.0	7.0	1.4	15	447	142	65	15 *	0.6	N	N	12
13	O	0.0	5.7	1.5	15	357	114	61	15	0.6*	O	O	13
14		0.0	4.8	1.5	14	206	105	55	14	0.5			14
15		0.0	4.2	1.4	12	136	152	52	12	0.5			15
16	F	0.0	3.8	1.4	12	723 *	126	49	11	0.5	F	F	16
17	L	0.0	3.5	1.5	12	226	106	46	11	0.4	L	L	17
18	O	0.0	3.1	1.4	11	135	346	43	9.9	0.4	O	O	18
19	W	0.0	2.8	1.5	11	106	295	41	9.6	0.3	W	W	19
20		0.0	2.5	1.6	11	92	276	38	9.4*	0.3			20
21	*	0.0	2.3	7.0	9.9	81	353	35	8.0	0.2			21
22		0.5	2.1	75	10	73	281	33	7.0	0.2			22
23		0.8	1.9	22	10	68	224	30	6.3	0.2			23
24		0.1	1.7	133 *	9.9	62	232	29	6.1	0.2			24
25		0.0	1.7	102	29	57	177	27	5.3	0.1			25
26		0.0	2.2	44	17	55	156	26	4.8	0.1			26
27		0.0	1.7	32	12	51	161	25	4.2	0.1			27
28		0.0	1.5	27	11	76	151	24	3.5	0.1			28
29		0.2	1.7	114	74	74	126	24	3.2	0.0			29
30		0.1	1.7	243	64	64	117	23	2.8	0.0			30
31		0.0	1.6	205	118	118	25	25	2.8	0.0			31
MEAN		0.1	51.7	33.3	21.5	110	189	54.8	13.0	0.7			MEAN
MAX.		0.8	843	243	87	723	415	107	28	2.3			MAX.
MIN.		0.0	0.1	1.2	9.9	9.8	105	23	2.8	0.0			MIN.
AC. FT.		4	3178	2047	1192	6769	11260	3372	772	44			AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE	39.6	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
		1900	7.32	3	16	1100	0.0		10	1	0000	28640

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE NT.	DATE			FROM	TO		
37 25 14	119 52 25	SE10 6S 19E	3590E	8.67	4-3-58	NOV 57-DATE		1957		0.00	LOCAL

Station located 15 feet downstream from Indian Peak Road Bridge, 6.7 miles southeast of Mariposa. Drainage area is 33.6 square miles. Maximum discharge of record from rating curve extended above 1,829 cfs. Altitude of gage is 1,680 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B64360	MIDDLE FORK CHOWCHILLA RIVER NEAR NIPINNAWASEE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.1	0.8	2.5	46	6.2	44	53	17	4.3	1.1	0.0	1
2	0.0	0.1	23	2.4	30	5.7	64	49	16	4.0	0.9	0.0	2
3	0.0	0.1	60	2.4	24	5.7	49	45	15	3.6	0.8	0.1	3
4	0.0	0.1	7.2	2.3	19	7.1	91	45	15	3.6	0.8*	0.0	4
5	0.0	0.1	151	2.4	16	6.2	101	43	16	3.6	0.6	0.1	5
6	0.0	0.3	460 *	2.4 *	14	6.0*	62	40	16	4.0	0.6	0.0	6
7	0.0	0.6	63	2.4	12	6.0	257 *	40	14	3.8	0.4	0.0	7
8	0.0	0.5	24	2.3	10 *	5.7	87	40	14	3.8	0.4	0.0	8
9	0.0	0.5	15	2.3	9.5	5.7	59	42	13	3.6	0.5	0.0	9
10	0.0	0.5	12	2.3	9.2	5.4	53	57 *	13	3.6	0.4	0.1	10
11	0.0	0.5	9.5	2.1	8.8	28	98	44	12	3.3	0.4	0.0	11
12	0.0	0.2	7.6	2.1	8.2	124	76	41	12 *	2.8	0.3	0.0	12
13	0.0	0.2	6.6	2.3	7.9	144 *	58	38	12	2.5*	0.3	0.0	13
14	0.0	0.2	5.6	2.2	7.4	92	49	35	11	2.9	0.2	0.0	14
15	0.0	0.2	5.1	2.3	7.2	48	71	33	9.5	3.1	0.2	0.0	15
16	0.0	1.3	4.3	2.2	6.9	270 *	68	32	8.8	2.9	0.2	0.0	16
17	0.0	0.5	4.1	2.2	6.7	82	59	31	8.1	2.8	0.1	0.1	17
18	0.0	0.2	3.9	2.0	6.6	50	141	30	7.1	2.8	0.1	0.6	18
19	0.0	0.3	3.7	2.0	6.7	38	134	28	6.8	2.6	0.1	0.6	19
20	0.0	1.3	3.5	2.1	5.9	31	123	27	6.2*	2.5	0.1	0.2	20
21	0.0	1.7	3.2	7.7	6.0	28	145	25	6.0	2.3	0.1	0.1	21
22	0.0	3.4	3.1	62	6.2	25	160	24	6.0	2.2	0.1	0.2	22
23	0.0	2.5	2.9	18	6.1	22	143	21	5.7	2.1	0.0	0.2	23
24	0.0	1.2	2.9	82 *	5.9	21	172	20	5.4	2.1	0.0	0.2	24
25	0.0	0.8	2.9	61	12	19	120	20	5.4	1.9	0.0	0.2	25
26	0.0	0.7	3.1	28	10	19	97	19	5.2	1.7	0.1	0.2	26
27	0.0	0.5	3.1	20	7.4	17	91	18	4.9	1.6	0.0	0.1	27
28	0.0	0.7	2.6	16	6.3	23	93	17	4.9	1.4	0.0	0.1	28
29	0.0	0.9	2.9	57		39	67	18	4.5	1.4	0.0	0.2	29
30	0.1	0.9	2.9	132		23	61	18	4.7	1.4	0.0	0.1	30
31	0.1		2.7	114		37		18		1.1	0.0		31
MEAN	0.0	0.7	29.1	20.7	11.5	40.0	96.4	32.6	9.8	2.8	0.3	0.1	MEAN
MAX.	0.1	3.4	460	132	46	270	257	57	17	4.3	1.1	0.6	MAX.
MIN.	0.0	0.1	0.8	2.0	5.9	5.4	44	17	4.5	1.1	0.0	0.0	MIN.
AC. FT.	0	42	1789	1275	638	2459	5738	2005	586	169	17	7	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AHD *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
20.3	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	14730
	1007	8.29	12	6	1330	0.0	2.37	10	1	0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. 8 & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 22 56	119 50 11	NE25 6S 19E	1280	10.10	2-1-63	MAR 58-DATE		1958	DATE	0.00	LOCAL

Station located 6 miles west of Nipinnawasee, 10 miles southeast of Mariposa. Tributary to East Fork Chowchilla River. Drainage area is 13.6 square miles. Drainage area previously reported as 12.3 square miles. Altitude of gage is 1,520 feet (from topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B64260	STRIPED ROCK CREEK NEAR RAYMOND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.1	1.0	1.6	32	4.5	43	33	8.9	0.7	0.1	0.0	1
2	0.0	0.2	8.3	1.8	21	4.3	51	31	8.9	0.6	0.1	0.0	2
3	0.0	0.2	20	1.7	16	4.3	24	29	8.3	0.6	0.1	0.0	3
4	0.0*	0.3*	3.6	1.7	14	4.1	49	26	7.8	0.5	0.1	0.0	4
5	0.0	0.3	69	1.7	12	4.0	91	25	11	0.5	0.0	0.0	5
6	0.0	0.6	319 #	1.6*	11	3.6*	39	22	9.6	0.4	0.0	0.0	6
7	0.0	0.8	33	0.5	10	3.3	130 *	21	8.9	0.4	0.1	0.0	7
8	0.0	0.2	14	1.3	9.6*	3.6	49	19	7.8	0.3	0.1	0.0	8
9	0.0	0.2	10	1.4	9.6	3.8	36	19	7.3	0.3	0.1	0.0	9
10	0.0	0.4	7.3	1.5	9.4	3.8	39	29 *	6.8	0.4	0.1	0.0	10
11	0.0	0.3	5.3	1.5	8.9	20	104	18	6.3	0.4	0.1	0.0	11
12	0.0	0.3	5.0	1.5	7.6	86	50	16	6.3*	0.3	0.0	0.0	12
13	0.0	0.3	4.8	1.5	7.0	111	37	15	5.9	0.2*	0.0	0.0	13
14	0.0	0.3	4.0	1.4	7.0	74	31	14	5.4	0.2	0.0	0.0	14
15	0.0	0.4	3.9	1.4	6.1	33	64	14	5.0	0.2	0.0	0.0	15
16	0.0	1.4	3.6	1.4	5.7	158 *	47	13	4.7	0.2	0.0	0.0	16
17	0.0	0.5	2.9	1.3	5.2	58	33	12	4.3	0.2	0.0	0.0	17
18	0.0	0.4	2.8	1.2	5.4	34	206	11	4.0	0.2	0.0	0.3	18
19	0.0	0.6	2.5	1.3	5.4	27	185	11	3.6	0.1	0.0	0.2	19
20	0.0	1.7	1.9	1.5	5.3	23	160	11	3.1	0.1	0.0	0.1	20
21	0.0*	0.9	1.9	3.3	4.7	20	153	11	3.1	0.1	0.0	0.1	21
22	0.0	1.7	1.9	12	4.5	18	127	9.8	2.6	0.1	0.0	0.1	22
23	0.0	0.9	1.8	5.1	4.9	17	84	9.2	2.3	0.1	0.0	0.1	23
24	0.0	0.7	1.9	23	4.8	15	86	8.6	2.3	0.1	0.0	0.1	24
25	0.0	0.6	2.1	35	12	14	62	8.3	2.1	0.1	0.0	0.1	25
26	0.0	0.6	2.3	11	6.7	14	53	8.0	1.7	0.1	0.0	0.1	26
27	0.0	0.5	1.9	9.5	5.2	13	50	8.1	1.5	0.2	0.0	0.1	27
28	0.0	0.8	1.7	7.7	4.5	15	46	7.7	1.1	0.2	0.0	0.1	28
29	0.1	0.8	1.8	48	17	17	40	8.0	1.0	0.1	0.0	0.1	29
30	0.1	0.7	2.0	220 E	14	14	40	8.6	0.8	0.1	0.0	0.1	30
31	0.1		1.6	93	46	46		8.9		0.1	0.0	0.0	31
MEAN	0.0	0.6	17.5	16.0	9.1	27.9	73.6	15.7	5.3	0.3	0.0	0.1	MEAN
MAX.	0.1	1.7	319 E	220 E	32	158	206	33	11	0.7	0.1	0.3	MAX.
MIN.	0.0	0.1	1.0	0.5	4.5	3.3	24	7.7	0.8	0.1	0.0	0.0	MIN.
AC. FT.	1	35	1077	985	507	1718	4381	962	302	16	2	3	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM				TOTAL	
DISCHARGE	13.8	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
		939E	7.92	1	30	1800	0.0		10	1	0000	9989

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. & S. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CF5	GAGE NT.	DATE			FROM	TO			
37 20 27	119 53 35	NE 9 7S 19E	1180E	8.87	4-3-58	NOV 57-DATE			1957		0.00	LOCAL

Station located 8.7 miles north of Raymond, 11 miles southeast of Mariposa. Tributary to Chowchilla River. Drainage area is 17.1 square miles. Maximum discharge of record from rating curve extended above 408 cfs. Altitude of gage is approximately 1,090 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B64200	CHOWCHILLA RIVER NEAR RAYMOND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.0	10	26	554	66 *	565	600 E	170 E	38	6.6	1.0	1
2		0.0	13	25	406	58	590	560 E	160 E	35	6.3	1.0	2
3	*	0.0*	490 E	25	327	56	510	540 #	140 E	32	5.5	1.1	3
4		0.0	120 E	25	278	60	559	520 E	145 E	30	5.3	1.0	4
5		0.0	750 #	25	243	56	1048	505 E	150 E	27	5.0	1.1*	5
6		0.0	3740 *	24 *	213	51	639 *	486	150 #	28	4.7	1.4	6
7		0.0	758	24	173	48	1630	425	139	27 *	4.5	1.2	7
8		0.0	327	23	153	47	846	425	127	25	4.5	1.2	8
9		0.0	208	22	140	44	633	406	119	23	4.5*	1.2	9
10		0.0	141	22	131	41	579 E	496	112	22	4.5	1.0	10
11		0.0	95	22	121	90 E	1200 E	434	108	21	4.3	1.3	11
12	N	0.0	75	22	114	690 E	860 E	383	106	19	4.1	1.3	12
13	O	0.1	65	22	108	1280 E	620 E	348	104	18	3.7	1.3	13
14	*	0.0	56	22	101	1060 E	540 E	331	99	16	3.4	1.3	14
15		0.1	50	21	93	530 E	730 E	323	93	15	3.2	1.2	15
16	F	0.1	50	21	87	1900 #	740 E	319	87	14	2.8	1.1	16
17	L	0.2	42	21	90	1000 E	580 E	313	82	15	2.7	1.2	17
18	O	7.3*	40	21	82	600 E	1300 E	301	76	14	2.4	1.8	18
19	W	5.3	38	20 *	78	480 E	1950 E	286	74	13	2.2	2.5	19
20		7.7	35	20	74	400 E	1800 E	276	73	13	2.0	5.3	20
21		22	33	34	70 E	357	1640 E	265	68	12	1.8	4.7	21
22		27 *	32 *	268	68 E	334	1940 E	254	63	12	1.6	4.0	22
23		33	30	196	65 E	309	1180 E	237	59	11	1.6	3.4	23
24		20	29	379	65 E	286	1340 E	221	57	11	1.4	3.2	24
25		12	29	645 *	100 E	258	1000 E	215 E	55	10	1.4	3.6	25
26		9.3	32	344	110 E	245	900 E	200 E	51	9.5	1.4	3.6	26
27		7.9	30	238	80	233	820 E	190 E	49	8.9	1.2	3.5	27
28		7.5	28	170 E	70	237	850 E	180 E	46	8.5	1.2	3.4	28
29		9.8	26	434 E		392	680 E	175 E	44	7.9	1.3	3.0	29
30		13	28	1160 #		282 E	700 E	170 E	42	7.2	1.2	3.0	30
31			27	1240		406 E		170 E		7.0	1.0		31
MEAN		6.1	240	179 E	150	384 E	966 E	340 E	94.9	17.7	3.1	2.2	MEAN
MAX.		33.0	3740	1240 E	554	1900 E	1950 E	600 E	170 E	38.0	6.6	5.3	MAX.
MIN.		0.0	10.0	20.0	65.0E	41.0	510	170 E	42.0	7.0	1.0	1.0	MIN.
AC. FT.		362	14730	11030E	8319	23600E	57460E	20930E	5649	1091	193	129	AC FT

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
198E	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	143500E
198E	7050	581.85	12	6	1800	0.0		10	1	0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 15 36	119 56 42	SE 1 8S 18E	8500E	583.9	2-1-63	NOV 59-SEP 62				0.00	USCGS
Station located 6.0 miles northwest of Raymond on Raymond Road. Elevation of station is approximately 600 feet. U. S. Coast and Geodetic Survey datum. This station was installed in cooperation with Madera County and Chowchilla Water District. It is a flood control warning station, equipped with a Stevens Manometer-Servo and Telemark. Prior to 1962, high flow records were insufficient for publication. Discharge measurements and partial flow records are available in DWR files. Drainage area is 201.7 square miles.											

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B00435	EASTSIDE BYPASS NEAR EL NIDO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	0.0	2150 *	0.0	53	11000	7990	1400		0.0	1
2			0.0	0.0	1480	0.0	526	10900	8110	1510		0.0	2
3			0.0	0.0	1030	0.0	587	11000	8180	1640		0.0	3
4			0.0	0.0	2020	0.0	522	11000	8310	1660		0.0	4
5			0.0	0.0	2920 *	0.0	460	10700	8280	1720		0.0	5
6			15	0.0	3200 *	0.0	1340	10700	8290	2150		0.0	6
7			2060 *	0.0	3120 *	0.0	1160	10400	8350	2930		0.0	7
8			2020 *	0.0	2250 *	0.0	2120	10000	8400 *	3070		0.0	8
9			1170	0.0	1480	0.0	2090	9770	8590	2960		0.0	9
10			652 *	0.0	694 *	0.0	1570 *	9350	8590	2830		0.0	10
11			493	0.0	380	0.0	1400	9290	7920	2100		0.0	11
12	N	N	423 *	0.0	317	0.0	1910	9370	7460	1050	N	0.0	12
13	O	O	317	0.0	264	239	1930	9320	6950	494	O	0.0	13
14			228	0.0	239	1480	1720	8940	6450	362		0.0	14
15			156	0.0	226	1410 *	1710	8580	5940	387		0.0	15
16	F	F	105	0.0	154	758	2490	8330	5390	571	F	0.0	16
17	L	L	69	0.0	111	1400	3270	7900	4660	402	L	0.0	17
18	O	O	47	0.0	88	1540	4050	7710	4370	273 *	O	0.0	18
19	W	W	33	0.0	65	735	5660 *	7570	4010	397	W	0.0	19
20			18 *	0.0	45	438	7590	7550	3650	445		0.0	20
21			7.9	0.0	40	265	8060	7520	3180	200		0.0	21
22			0.8	0.0	29	182	9320	7510 *	3140	144		0.0	22
23			0.0	0.0	20	115 *	11000	7300	3030	105		0.0	23
24			0.0	9.3	13	81	11000 *	7340	2800	82		0.0	24
25			0.0	64	0.4	73	11000	7330	2620	55		0.0	25
26			0.0	818 *	0.0	54	11100	7250	2400	25		0.0	26
27			0.0	568	0.0	22	10600	7270	2140	4.1		5.9	27
28			0.0	311	0.0	1.7	10300	7360	1510	1.0		4.9	28
29			0.0	313	0.2	0.2	10500	7520	1250 *	0.1		4.0	29
30			0.0	572	0.4	0.4	10900	7780	1280	0.0		3.1	30
31			0.0	1690 *		11	7940			0.0			31
MEAN			252	140	798	284	4865	8758	5441	934		0.6	MEAN
MAX.			2060	1690	3200	1540	11100	11000	8590	3070		5.9	MAX.
MIN.			0.0	0.0	0.0	0.0	53	7250	1250	0.0		0.0	MIN.
AC.FT.			15500	8619	44300	17470	289500	538500	323800	57460		36	AC.FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND °

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO DAY TIME	DISCHARGE	GAGE HT.	MO DAY TIME	
1789	11300	16.14	4 26 1100	0.0		10 1 0000	1295000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 08 52	120 36 17	SE13 9S 12E	11250	16.14	4-26-67	DEC 64-DATE		1964	DATE	90.00	USGS

Station located on left bank 2.8 miles downstream from San Joaquin River and 6.4 miles west of El Nido. This station is equipped with a radio telemeter. Recorder installed 12-23-64.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B62400	MARIPOSA CREEK NEAR CATHEYS VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.0	3.8	4.8	149	12	102	85	22	3.0			1
2		0.0	149	4.3	87	11	156	73	21	2.7			2
3		0.0	149	4.3	63	10	105	68	20	2.5	*		3
4	*	0.0*	26	4.6	46	10	152	67	17	2.3			4
5		0.0	443	4.6	40	8.7	317	65	40	2.1			5
6		0.0	1470 *	4.3*	35	9.0*	160	58	25	2.4		*	6
7		0.0	157	4.1	31	8.7	690 *	52	21	2.3			7
8		0.0	50	3.8	27	8.4	265	48	19 *	1.9			8
9		0.0	33	4.0	24 *	8.1	161	46 *	16	1.8			9
10		0.0	24	3.8	22	7.8	134	70	15	1.7			10
11		0.0	19	4.0	20	93	413	53	14	1.6*			11
12	N	0.0	15	4.1	19	552	238	45	13	1.3	N	N	12
13	O	0.0	12	4.8	18	660 *	155	42	12	1.1	O	O	13
14		0.0	10	4.5	16	421	121	39	11	0.8			14
15		0.0	9.3	4.3	14	166	155	37	10	0.7			15
16	F	0.0*	8.4	4.1	14	911 *	126	35	9.3	0.7	F	F	16
17	L	0.0	7.8	4.0	13	299	101	33	8.7	0.8	L	L	17
18	O	0.0	7.1	4.0	13	144	684	30	7.8	0.5	O	O	18
19	W	0.0	7.3	3.8	12	100	676	28	7.6*	0.5	W	W	19
20		0.0	6.5	3.8	11	83	546	26	7.1	0.5		*	20
21	*	2.4	6.1	7.3	11	66	741	24	6.5	0.4			21
22		8.1	6.1	46	10	54	648	23	5.9	0.4			22
23		9.6	5.9	23	10	47	383	23	5.5	0.3			23
24		5.0	5.5	110 *	10	42	350	22	5.2	0.2			24
25		3.7	5.5	160	34	38	225	21	5.0	0.1			25
26		3.0	5.7	61	23	36	168	20	4.6	0.1			26
27		2.7	5.4	38	15	33	147	20	4.3	0.1			27
28		3.1	5.2	31	13	37	129	19	3.8	0.1			28
29		4.6	5.2	185	42	42	106	19	3.7	0.1			29
30		4.0	5.2	568 *	35	94	94	19	3.4	0.1			30
31			4.8	465	99	99		19		0.0			31
MEAN		1.5	86.1	57.4	28.6	131	282	39.6	12.1	1.1			MEAN
MAX.		9.6	1470	568	149	911	741	85	40	3.0			MAX.
MIN.		0.0	3.8	3.8	10	7.8	94	19	3.4	0.0			MIN.
AC. FT.		92	5292	3527	1587	8036	16760	2438	723	66			AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW

MEAN DISCHARGE
53.2

MAXIMUM				
DISCHARGE	GAGE HT.	MO	DAY	TIME
3820	9.72	12	6	0630

MINIMUM				
DISCHARGE	GAGE HT.	MO	DAY	TIME
0.0		10	1	0000

TOTAL ACRE FEET
38520

- E AND *

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 23 55	120 00 10	NE 21 6S 18E	7180E	11.62	4-3-58	NOV 57-DATE			1957		0.00	LOCAL
Station located at county road bridge, 5.6 miles east of Catheys Valley School. Tributary to San Joaquin River via Eastside Bypass. Drainage area is 65.7 square miles (revised). Maximum discharge of record from rating curve extended above 4,705 cfs. Altitude of gage is 1,230 feet (from topographic map).												

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B62100	MARIPOSA CREEK BELOW MARIPOSA RESERVOIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0	6.1	601	19	158	132	25	2.8			1
2			0	6.1	434	18	176	111	29	2.4			2
3			22	5.8	212	17	209	93	26	1.8			3
4			44	5.8	106	16	159	86	24	1.5			4
5			98	5.8	77	15	321	86	23	1.3			5
6			567	5.5	61	15	333	81	45	1.1			6
7			710	5.5	47	14	424	81	31	1.0			7
8			589	5.5	40	14	515	75	24	0.9			8
9			302	5.5	33	13	399	68	21	0.8			9
10			63	5.5	29	13	263	77	21	0.7			10
11			28	5.5	28	15	415	101	20	0.7			11
12	N	N	22	5.5	25	288	464	77	19	0.6	N	N	12
13	O	O	19	5.5	24	502	345	64	18	0.4	O	O	13
14			16	5.5	22	596	214	59	18	0.2			14
15			14	5.5	21	533	183	55	16	0			15
16	F	F	13	5.5	20	472	214	52	15	0	F	F	16
17	L	L	12	5.5	19	618	163	48	14	0	L	L	17
18	O	O	11	5.5	19	521	322	44	12	0	O	O	18
19	W	W	10	5.5	18	320	615	41	11	0	W	W	19
20			9.8	6.1	18	175	630	38	10	0			20
21			9.4	6.4	17	118	630	37	9.4	0			21
22			8.6	11	16	94	675	34	8.2	0			22
23			8.2	40	16	79	675	33	7.0	0			23
24			7.8	30	16	68	660	32	6.4	0			24
25			7.4	261	25	57	605	32	5.5	0			25
26			7.4	182	45	48	486	29	4.9	0			26
27			7.4	84	26	44	325	28	4.0	0			27
28			7.4	47	21	38	238	26	3.8	0			28
29			7.0	128		46	183	25	3.8	0			29
30			6.7	396		51	157	24	3.2	0			30
31			6.4	644		77		24		0			31
MEAN			85	63	73	158	372	58	16	0.5			MEAN
MAX.			710	644	601	618	675	132	45	2.8			MAX.
MIN.			0	5.5	16	13	157	24	3.2	0			MIN.
AC. FT.			5224	3852	4038	9747	22128	3556	948	32			AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AHD *

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO DAY TIME	ACRE FEET
68.4	740		12 7 0300	0.0		10 1 0000	49525

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 16 52	120 09 45	NE 36 7S 16E	6020		12-24-55	NOV 52-DATE		1952		337.63	USCGS
Station located 1.5 miles downstream from Mariposa Dam. Tributary to San Joaquin River via Eastside Bypass. Flow regulated by Mariposa Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 110 square miles.											

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B00420	MARIPOSA BYPASS NEAR CRANE RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					2190**			6360**					1
2													2
3													3
4							562**						4
5													5
6					3110**								6
7					3230**								7
8			2240**		2840**				5470**				8
9													9
10					1010**								10
11													11
12			357**										12
13													13
14							1560**						14
15						1550**							15
16													16
17													17
18													18
19								6800**					19
20								7230**					20
21													21
22													22
23													23
24													24
25								4490**					25
26													26
27													27
28													28
29									1050**				29
30													30
31				1270**									31
MEAN MAX. MIN. AC. FT.													MEAN MAX. MIN. AC FT.

E - ESTIMATED
 NP - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 H - E AND *
 ** - RESULT OF DISCHARGE MEASUREMENT

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 12 00	130 41 50	NW 31 8S 11E						1962		0.00	USCGS
This station was installed in January 1962, for the Lower San Joaquin Flood Control Project for the purpose of recording flows diverted into Mariposa Bypass by float-activated electrically operated gates. No continuous water stage recorder is installed to date. Miscellaneous measurements of instantaneous discharge will be presented when appropriate.											

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B06170	OWENS CREEK BELOW OWENS RESERVOIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0	0.2	0.7	1.6	87	2.7	11	22	3.0	0.5	0.3	0.5	1
2	0	0.2	1.0	1.6	58	2.5	8.8	19	3.4	0.5	0.3	0.5	2
3	0	0.2	1.1	1.5	16	2.4	7.4	17	2.9	0.5	0.3	0.5	3
4	0	0.2	0.8	1.5	12	2.3	7.9	16	2.6	0.5	0.3	0.5	4
5	0	0.2	3.9	1.5	9.2	2.2	46	14	2.5	0.5	0.3	0.5	5
6	0	0.3	79	1.3	7.4	2.0	19	12	2.7	0.5	0.3	0.5	6
7	0	0.4	86	1.3	5.9	2.0	75	11	2.6	0.5	0.3	0.5	7
8	0	0.3	24	1.3	5.0	2.0	83	10	2.4	0.5	0.3	0.5	8
9	0	0.3	4.8	1.2	4.6	2.0	44	10	2.2	0.5	0.3	0.5	9
10	0	0.3	3.6	1.2	4.2	2.0	30	16	1.9	0.5	0.3	0.5	10
11	0	0.3	2.9	1.2	4.0	7.8	96	12	1.9	0.5	0.3	0.5	11
12	0	0.3	2.6	1.2	3.8	29	100	8.8	1.7	0.4	0.3	0.5	12
13	0	0.3	2.5	1.2	3.6	45	88	7.7	1.7	0.4	0.3	0.5	13
14	0	0.3	2.3	1.2	3.4	75	44	6.8	1.6	0.4	0.3	0.5	14
15	0	0.3	2.2	1.3	3.0	33	30	6.2	1.8	0.4	0.3	0.5	15
16	0	0.5	2.1	1.3	2.9	58	26	6.2	1.5	0.4	0.3	0.5	16
17	0	0.5	2.0	1.3	2.9	53	19	5.6	1.4	0.4	0.3	0.5	17
18	0	0.5	2.0	1.3	2.8	23	73	5.0	1.2	0.4	0.3	0.5	18
19	0	0.5	1.9	1.3	2.8	16	99	4.6	1.1	0.4	0.3	0.5	19
20	0	0.7	1.9	1.4	2.7	12	100	4.6	1.0	0.4	0.4	0.5	20
21	0	0.5	1.9	1.9	2.6	8.8	94	4.4	1.0	0.4	0.4	0.5	21
22	0	0.5	1.8	3.4	2.5	7.1	100	4.0	0.9	0.4	0.4	0.5	22
23	0	0.5	1.8	3.0	2.5	6.5	93	3.8	0.9	0.4	0.4	0.5	23
24	0	0.5	1.8	14	2.5	5.6	94	3.2	0.8	0.3	0.5	0.5	24
25	0	0.5	1.7	32	12	4.8	94	3.2	0.7	0.3	0.5	0.5	25
26	0	0.5	1.8	8.8	5.3	4.4	78	3.0	0.6	0.3	0.5	0.5	26
27	0	0.5	1.9	4.8	3.0	4.0	42	2.9	0.6	0.4	0.5	0.5	27
28	0	0.6	1.8	4.0	2.8	3.8	34	2.9	0.5	0.4	0.5	0.5	28
29	0.1	0.6	1.7	32		4.4	28	2.7	0.5	0.3	0.5	0.5	29
30	0.1	0.6	1.7	56		3.8	29	2.7	0.5	0.3	0.5	0.5	30
31	0.2		1.6	97		22		2.7		0.3	0.5		31
MEAN	0.0	0.4	7.9	9.1	9.8	14.5	56.4	8.1	1.6	0.4	0.4	0.5	MEAN
MAX.	0.2	0.7	86	97	87	75	100	22	3.4	0.5	0.5	0.5	MAX.
MIN.	0	0.2	0.7	1.2	2.5	2.0	7.4	2.7	0.5	0.3	0.3	0.5	MIN.
AC. FT.	1	24	490	562	544	891	3358	496	95	26	22	30	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9.0	100		1	31	1430	0.0		10	1	0000	6540

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CF5	GAGE HT.	DATE			FROM	TO		
37 18 28	120 11 35	SW 23 75 16E	590		12-24-55	FEB 50-DATE			1950		338.22 USCGS

Station located 0.25 mile downstream from Owens Dam. Tributary to San Joaquin River via Eastside Bypass. Flow regulated by Owens Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 25.6 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B55400	BEAR CREEK NEAR CATHEYS VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	0.8	106	3.0	63	13	2.3				1
2			59	0.8	46	2.8	111	11	2.2				2
3			98	0.7	25	2.5	72	9.8	2.1				3
4			15	0.8	17	2.4	115	8.8	1.8				4
5			283 *	0.7	12	2.2	242	8.1	6.5				5
6			766 *	0.7	9.3	2.0*	136	7.4	3.6				6
7			118	0.7	7.6	1.8	595 *	6.3	2.6				7
8			34	0.6	5.9	1.6	174	6.0	2.2				8
9			16	0.6	5.2*	1.5	105	5.5	1.9*				9
10			10	0.6	4.9	1.2	96	12 *	1.8				10
11			7.5	0.5*	4.5	54	361	7.8	1.6				11
12	N	N	5.7	0.4	3.9	234	173	6.0	1.5	N	N	N	12
13	O	O	4.6	0.5	3.6	247 *	98	5.2	1.3	O	O	O	13
14			3.7	0.5	3.1	192	59	4.6	1.2				14
15			3.1	0.5	2.7	104	75	4.3	1.0				15
16	F	F	2.7	0.5	2.6	305 *	70	3.9	0.9	F	F	F	16
17	L	L	2.4	0.5	2.3	161	42	3.4	0.8	L	L	L	17
18	O	O	2.0	0.5	2.1	93	472	3.2	0.6	O	O	O	18
19	W	W	1.8	0.5	2.0	52	309	2.9	0.5*	W	W	W	19
20			1.8	0.5	1.9	36	156	2.6	0.4				20
21			1.7	1.0	1.8	27	202	2.3	0.4				21
22			1.6	26	1.6	23	252	2.2	0.3				22
23			1.5	13	1.5	19	152	1.9	0.2				23
24			1.3	109 *	1.5	16	161	1.7	0.2				24
25			1.2	94	7.7	13	105	1.6	0.2				25
26			1.2	30	6.5	12	59 *	1.6	0.1				26
27			1.1	17	4.2	11	44	1.6	0.1				27
28			1.0	12	3.5	11	31	1.6	0.1				28
29			1.0	158	13	22	22	1.5	0.1				29
30			1.0	375	11	16	16	1.5	0.1				30
31			0.9	230	50			1.5					31
MEAN			46.7	34.7	10.6	55.0	152	4.9	1.3				MEAN
MAX.			766	375	106	305	595	13	6.5				MAX.
MIN.			0.0	0.4	1.5	1.2	16	1.5	0.1				MIN.
AC. FT.			2872	2136	587	3382	9060	299	77				AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND R

MEAN DISCHARGE		MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	25.4	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
		1810	7.94	4	7	0430	0.0		10	1	0000	18410

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 28 38	120 06 43	SW 21 5S 17E	4170E	10.07	2-1-63	DEC 57-DATE			1957		0.00	LOCAL

Station located at county road bridge, 3.7 miles north of Catheys Valley School. Tributary to San Joaquin River via Eastside Bypass. Drainage area is 24.9 square miles. Altitude of gage is approximately 1,210 feet (from topographic map). Peak discharge estimated based on rating curve extended above discharge 1442 cfs.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B05570	BEAR CREEK BELOW BEAR RESERVOIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0	3	215	8	64	58	8.0				1
2			0	3	92	7	76	47	10				2
3			42	2	60	6	86	42	10				3
4			39	2	44	6	54	38	8.5				4
5			129	2	35	6	290	37	7.0				5
6			952	2	27	5	138	36	10				6
7			634	2	22	5	703	35	11				7
8			78	2	19	5	332	34	7.5				8
9			40	2	15	5	125	32	5.5				9
10			24	2	14	5	88	46	4.6				10
11			15	2	12	5	611	50	4.3				11
12	N	N	11	2	10	152	324	36	3.8	N	N	N	12
13	O	O	8	2	9	366	149	32	3.6	O	O	O	13
14			6	2	8	319	94	32	3.4				14
15			6	2	7	134	86	32	3.0				15
16	F	F	5	2	6	285	107	32	2.6	F	F	F	16
17	L	L	4	2	6	236	75	31	2.0	L	L	L	17
18	O	O	4	2	6	110	594	29	1.6	O	O	O	18
19	W	W	4	2	6	69	815	27	1.3	W	W	W	19
20			3	2	5	49	312	24	1.0				20
21			3	3	5	38	250	24	0.8				21
22			3	7	5	31	496	22	0.7				22
23			3	27	5	28	304	19	0.6				23
24			3	67	5	23	394	16	0.5				24
25			3	171	13	20	215	14	0.4				25
26			3	64	26	19	153	13	0.2				26
27			3	36	16	17	111	11	0.1				27
28			3	25	10	15	96	10	0				28
29			3	177	16	16	80	9	0				29
30			3	419	17	17	69	9	0				30
31			3	800	28	28		8					31
MEAN			66	59	25	66	243	28	3.7				MEAN
MAX.			952	800	215	366	815	58	11				MAX.
MIN.			0	2	5	5	54	8	0				MIN.
AC. FT.			4040	3646	1394	4036	14462	1755	222				AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLDW
 # - E AHD *

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
41	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
	1220		12 6 2030	0.0		10 1 0000	29555

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE NT.	DATE			FROM	TO		
37 21 27	120 14 05	NE 5 7S 16E	4460		12-24-55	JAN 55-DATE		1955		320.50	USCGS

Station located approximately 0.75 mile downstream from Bear Dam. Tributary to San Joaquin River via Eastside Bypass. Flow regulated by Bear Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 72.1 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B56400	BURNS CREEK AT HORNITOS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	0.9	3.9	2.5	9.3	4.6E	1.6	0.2			1
2			5.2	1.0	20	2.5	12	3.4E	1.6	0.2			2
3			7.7	1.0	14	2.3	7.9	3.1E	1.6	0.2			3
4	*	*	0.9	0.9	11	2.2	54	3.1E	1.4	0.1			4
5			174 *	0.9	8.8	2.2	97	3.1E	2.2	0.1			5
6			569 *	0.9	7.4	1.9*	162	3.1E	2.2	0.2			6
7			43	0.9	5.6	1.6	410 *	3.8E	1.8	0.2			7
8			15	0.8	4.9	1.1	54	4.2E	1.8*	0.2			8
9			10	0.8	3.9*	0.9	31	5.1#	1.4	0.1			9
10			7.3	0.7	3.4	0.6	141	10	1.4	0.1			10
11			4.4	0.7*	2.8	24	307	5.5	1.2	0.1*			11
12	N	N	3.4	0.7	2.9	233	55	4.0	1.2	0.1	N	N	12
13	O	O	3.1	0.7	2.8	166 *	30	3.8	1.2	0.1	O	O	13
14			2.6	0.7	2.3	71	20	3.1	1.2	0.1			14
15			2.5	0.7	1.8	26	35	2.9	1.0	0.1			15
16	F	F	2.2	0.7	1.7	171 *	30	2.5	0.9	0.0	F	F	16
17	L	L	1.9	0.7	1.7	40	20	2.1	0.8	0.0	L	L	17
18	O	O	1.6	0.7	1.7	22	510	1.7	0.8	0.0	O	O	18
19	W	W	1.5	0.7	1.6	16	260	1.7	0.8	0.0	W	W	19
20			1.6	0.8	1.6	12	80	1.6	0.7	0.0			20
21			1.5	1.6	1.4	9.6	180	1.4	0.7	0.0			21
22			1.3	43	1.5	8.5	210	1.3	0.7	0.0			22
23			1.1	4.9	1.5	7.0	130	0.7	0.6	0.0			23
24			1.1	90 *	1.3	5.6	130	1.0	0.6	0.0			24
25			1.3	22	36	5.2	70	1.1	0.5	0.0			25
26			1.5	9.0	6.6	4.4	35	1.1	0.5	0.0			26
27			1.4	5.0	3.8	3.7	30	1.1	0.5	0.0			27
28			1.2	3.7	3.1	4.4	20	1.0	0.3	0.0			28
29			1.0	132		4.9	10	1.0	0.3	0.0			29
30			0.9	327		4.1	5.6E	0.9	0.2	0.0			30
31			0.9	156		11		1.2		0.0			31
MEAN			28.1	26.1	6.9	28.0	105 E	2.7E	1.1	0.1			MEAN
MAX.			569	327	39	233	510 E	10	2.2	0.2			MAX.
MIN.			0.0	0.7	1.3	0.6	5.6E	0.7	0.2	0.0			MIN.
AC. FT.			1726	1607	385	1720	6240E	167E	63	4			AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AHD *

MEAN		MAXIMUM				MINIMUM				TOTAL		
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
16.5E		1870	6.81	1	30	1650	0.0		10	1	0000	11910E

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT	DATE			FROM	TO			
37 29 42	120 14 17	SB17 5S 16E	9200E	10.66	2-15-62	DEC 58-DATE			1958		0.00	LOCAL

Station located 130 feet south of Stockton-Mariposa road, 0.2 mile southwest of Hornitos. Tributary to San Joaquin River via Bear Creek. Drainage area is 26.7 square miles. Maximum discharge of record from rating curve extended above 398 cfs. by slope-area measurement of peak flow. Altitude of gage is approximately 780 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B56100	BURNS CREEK BELOW BURNS RESERVOIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0	2.4	141	12	21	35	3.0				1
2			0	1.8	67	10	21	31	4.5				2
3			30	1.2	50	9.5	22	28	5.5				3
4			0.4	0.6	49	9.5	21	25	6.5				4
5			104	0.6	35	8.5	129	23	5.5				5
6			777	1.2	29	8.5	52	20	5.0				6
7			217	0.6	25	7.5	780	18	5.0				7
8			54	0.5	22	7.5	152	16	5.0				8
9			33	0.6	19	7.0	68	15	5.0				9
10			23	0.5	18	6.5	104	18	5.0				10
11			18	0.5	16	8.0	848	20	3.0				11
12	N	N	14	0.5	15	136	138	18	2.4	N	N	N	12
13	O	O	12	0.5	14	288	73	13	2.4	O	O	O	13
14			10	0.5	13	225	52	13	0.5				14
15			9.5	0.4	12	60	53	13	0				15
16	F	F	8.5	0.4	12	241	65	12	0	F	F	F	16
17	L	L	8.5	0.4	11	110	43	12	0	L	L	L	17
18	O	O	7.5	0.3	10	52	655	10	0	O	O	O	18
19	W	W	6.5	0.3	10	40	505	9.5	0	W	W	W	19
20			6.5	0.4	10	32	199	9.5	0				20
21			6.0	0.6	9.0	26	348	9.5	0				21
22			6.0	20	8.5	22	452	8.5	0				22
23			5.5	26	8.5	19	216	6.5	0				23
24			5.0	121	8.0	17	522	6.5	0				24
25			5.0	152	49	15	149	5.5	0				25
26			5.0	43	33	14	88	5.5	0				26
27			5.0	28	19	14	66	5.0	0				27
28			4.0	22	14	12	56	4.5	0				28
29			3.5	201	12	12	46	4.5	0				29
30			3.5	546	12	12	42	4.5	0				30
31			3.5	692	16	16	42	4.5	0				31
MEAN			45	60	26	47	200	14	1.9				MEAN
MAX.			777	692	141	288	848	35	6.5				MAX.
MIN.			0	0.3	8.0	6.5	21	4.5	0				MIN.
AC. FT.			2760	3701	1442	2891	11873	841	116				AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 H - E AHD*

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET	
32.6		1250		4	11	0800	0.0		10	1	0000	23625	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 22 27	120 16 35	NE 36 6S 15E	2590		12-24-55	APR 50-DATE			1950	260.60	USCGS

Station located 0.5 mile downstream from Burns Dam. Tributary to San Joaquin River via Bear Creek. Flow regulated by Burns Reservoir. Records furnished by U. S. Corps of Engineers. Drainage area is 73.8 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B07400	SAN JOAQUIN RIVER NEAR STEVINSON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	30	6.2	5.6	17	3140	68	112	11900	8680	1540	143	183	1
2	28	5.9	6.3	15	3610	64	111	11700	8710	1600	138	176	2
3	28	5.9*	6.2	12	2560	57	518	11500 *	8790	1680	124	176	3
4	27 *	5.8	6.9	10	1860	47	756	11600	8940	1760	118	189	4
5	24	5.7	26	16	2170	43	695	11400	9050 *	1770 *	133	214	5
6	22	6.3	56	14	2810 *	40	807 *	11200	9000	1840	135	225 *	6
7	22	6.4	503 *	25	3270	37	1600	11100	9000	2280	147	210	7
8	24	5.8	2200 *	31	3390 *	38	2090	10800	9000	2920	173	178	8
9	28	5.4	2620	23	2780	36	3360	10500	8970	3100	168	175	9
10	21	5.6	1710	15	1780	35	3370	10200	9260	3200	207	178	10
11	18	5.4	1100	12 *	1040	37	2730	9970	8940	2950	210	183	11
12	16	5.5	788 *	14	751	45	2880	9940	8360	1860	205	191	12
13	13	5.3	617	15	619	63	3700	10000	7840	1090	198	208	13
14	12	5.0	483	19	518	595	3420	9920	7290	826	205	193	14
15	11	5.0	374	18	449	1910	2850	9580	6720	589	186	198	15
16	10	5.2	270	19	383	2000	2610	9180	6000	670	175	205	16
17	11	5.5	198	19	281	1650	3070	8850	5200	771	162	216	17
18	10	5.4	122	16	215	2490	3810 *	8490	4550	579	130	234	18
19	9.8	6.0	81	14	174	2440	4620	8180	4250	465	119	273 *	19
20	9.3	8.2	74	14	145	1500 *	6960 *	8030	3980	620	122	253	20
21	9.3	6.8	52	20	123	1000	10200	8020	3510 *	564	114	208	21
22	9.3	6.0	42	24	109	665	11000	7980	3180	358	109	184	22
23	8.9	5.5	35	27	100	493	12300	8010	3140	276	104	196	23
24	8.4	5.7	29	43	90	383	13100 *	7670	3080	265	110	216	24
25	7.1	5.6	24	114 *	81	298	13300	7740	2880	282	120	257	25
26	7.1	6.1	18	418 *	74	241	13300	7680	2660	228	141	236	26
27	7.1	5.7	15	800	73	207	13000	7630	2350	191	165	228	27
28	7.1	6.7	13	747	74	183	12100	7640	1940	171	171	246	28
29	6.7	6.2	23	526	154	154	12100	7800	1560	162	188	230	29
30	6.3	5.4	24	606	132	132	12000	7970	1480	156	170	234	30
31	6.3		21	1360	115	115		8310		151	178		31
MEAN	14.8	5.8	372	162	1103	551	5749	9371	5944	1126	154	210	MEAN
MAX.	30	8.2	2620	1360	3610	2490	13300	11900	9260	3200	210	273	MAX.
MIN.	6.3	5.0	5.6	10	73	35	111	7630	1480	151	104	175	MIN.
AC. FT.	908	348	22900	9963	61270	33850	342100	576200	353700	69250	9457	12480	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
2061	13300	75.00	4	26	0820	4.8	60.30	11	14	0900	1492000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.O.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CF5	GAGE HT.	DATE			FROM	TO		
37 17 42	120 51 00	26 7S 10E	13300	75.00	4-26-67	OCT 61-DATE	MAY 61-SEP 61	1961		0.00	USCGS

Station located on bridge 2.3 miles south of Stevinson on Lander Avenue.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B00975	PANOCHÉ DRAIN NEAR DOS PALOS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18	20	16	17	24	37	60	17	61	47	49	48	1
2	18	19	17	18	22 *	37 *	61	17	62	46	41	49	2
3	20 *	23	20	16 *	21	43	57	23	62	45 *	46	49	3
4	19	21	21	15	23	43	51	23	61	45	45	44	4
5	21	20	35	14	21	43	49	24	60	48	42	46	5
6	17	18	63	14	18	42	39	29	57	50	48	45	6
7	17	23	65	14	19	45	39	28	51	52	52	44 *	7
8	16	18	48	12	21	42	33	28 *	44	56	58	42	8
9	17	19	23	12	25	46	28	41	45	56	59	44	9
10	16	18	19	15	25	48	32	37	45	58	52	45	10
11	15	23	18	14	24	47	38	37	44	60	50	40	11
12	16	25	18	15	20	59	35	36	44	62	54	42	12
13	16	21	19	15	22	63	32 *	43	46	60	58	37	13
14	16 #	21	18	18	19	60	31	47	46	56	57	35	14
15	17 E	19	18	16	21	55	35	52	52	54	55	38	15
16	13 E	22	19	17	24	48	33	53	55	58	51	38	16
17	15 E	18	19	16	29	48	32	55	58	58	49	32	17
18	17 E	16 *	19	16	30	48	36	56	54	50 *	50	30	18
19	13 E	20	19	16	31	47	36	58	48	32	53	31 *	19
20	16 E	17	19 *	18	30	46	36	58	48	44	52	26	20
21	19 #	15	18	20	35	48	29	57	48	50	50	20	21
22	15	15	17	22	38	51	23	57 *	49	51	56 *	18	22
23	15	13	17	20	38	52 *	20	59	52	52	57	17	23
24	16	15	17	36	36	54	19	60	52	57	51	18	24
25	18	15	15	50	35	53	18	63	47	56	48	14	25
26	16	13	14	37	35	52	20	63	46	51	46	15	26
27	18	16	13	26	35	51	20	64	48	46	44	19	27
28	17	15	13	24	32	47	19	64	48	53	46	22	28
29	18	13	13	24	24	46	19	64	50	54	48	25	29
30	19	15	14	24 E	24	47	18	64	47	54	46	22	30
31	20	15	15	24	24	53		63		50	46		31
MEAN	16.9	18.2	21.9	19.8	26.9	48.4	33.3	46.5	51.0	52.0	50.3	33.2	MEAN
MAX.	21	25	65	50	38	63	61	64	62	62	59	49	MAX.
MIN.	13	13	13	12	18	37	18	17	44	32	41	14	MIN.
AC. FT.	1039	1083	1347	1220	1494	2977	1980	2856	3035	3195	3092	1974	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
34.9	67	8.64	12	7	0300	11	3.00	11	21	2400	25290

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECOR			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FRGM	TO		
36 55 25	120 41 19	NW 5 12S 12E	69.0	9.19	11-24-65	FEB 59-SEP 62	OCT 62-JUL 63	1959	DATE	-2.00	LOCAL
						OCT 64-DATE					

Station located midway between Outside and Main Canals 0.5 mile south of Main Canal levee road, 5.6 miles southwest of Dos Palos. This is drainage returned to San Joaquin River. Station is operated under a cooperative agreement between the Department of Water Resources and the Panoche Drainage District. Altitude of gage is approximately 140 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B52600	NORTH FORK MERCED RIVER NEAR COULTEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.4	0.8	4.9	4.9	102	5.1	38	77	23	7.2	1.8	0.6	1
2	0.5	0.7	73	4.6	55	5.1	48	75	22	7.2	1.8	0.6	2
3	0.7	0.7*	58	4.3	36	4.6	53	77	20	6.7	1.8*	0.7	3
4	0.5	0.3	14	4.5	27	4.6	72	78 *	19	6.1	1.8	0.7	4
5	0.5	0.7	273 *	4.2*	22	4.4	113	69	19	5.6	1.8	0.7	5
6	0.6*	1.3	640	3.8	19	4.0	157	59	19	5.1	1.5	0.7	6
7	0.9	1.4	112	3.8	16 *	4.2*	434 *	59	18 *	5.1	1.5	0.9*	7
8	0.3	0.9	38	4.1	14	4.5	216	58	17	4.6	1.5	0.9	8
9	0.3	1.0	26	3.9	12	4.2	122	52	17	4.6	1.5	0.9	9
10	0.4	1.3	16	3.4	12	4.2	95	63	16	4.6	1.3	0.6	10
11	0.5	1.2	13	3.4	10	14	106	50	16	4.2*	1.3	0.4	11
12	0.7	1.0	11	3.2	8.1	216	101	42	16	3.8	1.1	0.3	12
13	0.5	1.3	8.2	3.2	7.5	231 *	94	36	16	3.8	1.1	0.3	13
14	0.9	1.3	7.8	3.4	7.2	155	84	35	14	3.4	1.1	0.4	14
15	1.3	2.0	7.0	3.4	7.1	111	87	32	14	3.4	1.1	0.4	15
16	1.3	4.2	6.3	3.2	6.4	945 *	77	31	14	3.8	1.1	0.6	16
17	1.8	1.2	5.7	3.4	6.7	274	71	29	14	3.4	1.1	0.6	17
18	1.7	1.5	5.6	2.8	6.7	121	124	27	14	3.0	1.1	1.8	18
19	0.8	2.1	5.6	2.8	6.4	76	129	26	13	3.0	1.1	1.3	19
20	0.8	8.2	5.5	3.5	5.7	57	128	26	12	3.0	0.9	1.3	20
21	0.7	5.4	4.6	20	5.4	43	156	24	10	2.7	0.7	1.1	21
22	0.8	9.7	4.5	131	4.4	38	172	23	10	2.7	0.7	1.1	22
23	0.6	5.4	4.2	32	4.4	35	185	23	10	2.7	0.7	1.3	23
24	0.6	4.0	4.3	58	4.5	32	214	22	10	2.3	0.7	1.5	24
25	0.5	3.8	4.9	58	9.2	29	178	21	10	2.3	0.7	1.3	25
26	0.8	3.5	5.6	34	8.3	27	143	20	9.1	2.3	0.9	1.3	26
27	1.0	3.2	4.8	29	6.4	24	142	20	9.1	2.3	0.7	1.1	27
28	1.0	6.5	4.2	29	5.7	27	125	20	7.8	2.3	0.7	1.1	28
29	0.9	6.4	5.0	146		29	101	19	7.8	2.3	0.7	1.3	29
30	1.3	4.8	4.6	232 *		25	87	20	7.2	2.0	0.9	1.5	30
31	1.7		5.0	228		35		20		1.8	0.7		31
MEAN	0.8	2.9	44.6	34.5	15.5	83.5	128	39.8	14.1	3.8	1.1	0.9	MEAN
MAX.	1.8	9.7	640	232	102	945	434	78	23	7.2	1.8	1.8	MAX.
MIN.	0.3	0.3	4.2	2.8	4.4	4.0	38	19	7.2	1.8	0.7	0.3	MIN.
AC. FT.	50	170	2742	2124	863	5135	7640	2446	841	233	70	54	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET	
309		1871	6.35	3	16	1040	0.1	3.14	11	1	1150	22370	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 44 51	120 02 12	NW 19 2S 18E	3440E	7.83	1-31-63	DEC 58-DATE			1958		0.00	LOCAL

Station located 40 feet upstream from Greeley Hill Road Bridge, 9 miles northeast of Coulterville. Drainage area is 30.3 square miles. Maximum discharge of record from rating curve extended above 2,145 cfs. Altitude of gage is 2,360 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B52580	BEAN CREEK NEAR COULTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.6	0.4	0.6	1.3	18	2.2	8.3	14	4.6	0.5	0.3	0.2	1
2	0.6	0.4	3.0	1.3	7.6	2.1	9.4	13	3.9	0.5	0.3	0.2	2
3	0.6	0.5*	1.8	1.2	7.9	2.0	9.0	12	3.7	0.5	0.3*	0.2	3
4	0.5	0.5	1.2	1.3	6.5	1.9	13	11 *	3.5	0.4	0.3	0.2	4
5	0.5	0.5	21 *	1.3*	5.7	1.8	28	10	3.9	0.4	0.3	0.2	5
6	0.5*	1.1	218	1.3	4.9	1.7	134	9.4	3.7	0.3	0.3	0.2	6
7	0.6	0.8	30	1.2	4.9*	1.7*	218 *	8.4	3.5*	0.3	0.3	0.2*	7
8	0.6	0.5	6.3	1.3	4.4	1.7	57	8.2	3.1	0.3	0.3	0.2	8
9	0.5	0.4	3.3	1.3	4.2	1.6	29	8.0	2.8	0.3	0.3	0.2	9
10	0.5	0.4	2.1	1.2	3.8	1.6	22	16	2.6	0.3	0.3	0.2	10
11	0.5	0.4	1.5	1.2	4.0	5.7	34	9.4	2.4	0.3*	0.3	0.2	11
12	0.5	0.4	1.6	1.3	3.8	251	28	8.4	2.2	0.2	0.3	0.2	12
13	0.5	0.4	1.5	1.1	3.2	107 *	23	7.1	2.0	0.2	0.3	0.2	13
14	0.5	0.3	1.3	1.0	3.1	55	18	6.7	2.0	0.2	0.2	0.2	14
15	0.4	0.3	1.4	1.0	3.0	49	23	6.3	1.7	0.2	0.2	0.2	15
16	0.4	1.3	1.3	1.1	3.0	282	18	5.9	1.7	0.3	0.2	0.2	16
17	0.4	0.5	1.2	1.1	2.8	52	16	5.7	1.7	0.2	0.2	0.2	17
18	0.4	0.4	1.2	1.1	2.6	22	57	5.4	1.6	0.2	0.2	0.3	18
19	0.5	0.6	1.2	1.0	2.6	14	48	5.0	1.6	0.2	0.2	0.3	19
20	0.5	1.1	1.2	1.2	2.6	9.7	41 *	4.9	1.4	0.2	0.2	0.2	20
21	0.5	0.6	1.0	7.9	2.4	7.7	52	4.5	1.3	0.3	0.2	0.2	21
22	0.5	1.5	1.2	27	2.2	6.6	52	4.4	1.2	0.2	0.2	0.2	22
23	0.5	0.6	1.4	10	2.2	6.1	64	4.3	1.0	0.2	0.2	0.2	23
24	0.5	0.5	1.4	7.2	2.0	5.4	90	4.0	0.9	0.3	0.2	0.2	24
25	0.4	0.4	1.5	5.9	4.2	5.2	58	4.1	0.9	0.3	0.2	0.2	25
26	0.4	0.4	1.6	7.4	3.0	4.7	39	3.9	0.9	0.3	0.2	0.2	26
27	0.3	0.5	1.5	6.3	2.5	3.6	32	3.8	0.7	0.3	0.2	0.2	27
28	0.4	0.7	1.3	5.3	2.4	4.2	25	3.6	0.8	0.3	0.2	0.2	28
29	0.4	0.5	1.3	53	5.6	5.6	19	3.7	0.7	0.3	0.2	0.2	29
30	0.5	0.5	1.5	58	4.4	4.4	17	3.4	0.6	0.3	0.2	0.2	30
31	0.5	0.5	1.3	49 *	6.5	6.5	17	3.7	0.6	0.3	0.2	0.2	31
MEAN	0.5	0.6	10.2	8.4	4.3	29.9	48.7	7.0	2.0	0.3	0.2	0.2	MEAN
MAX.	0.6	1.5	218	58	18	282	218	16	4.6	0.5	0.3	0.3	MAX.
MIN.	0.3	0.3	0.6	1.0	2.0	1.6	8.3	3.4	0.6	0.2	0.2	0.2	MIN.
AC.FT.	30	35	626	517	237	1836	2542	433	124	18	15	12	AC.FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
8.9	800	6.63	3	12	1750	0.2	1.29	8	21	1600	6425

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 44 29	120 07 00	SE20 2S 17E	800 E	6.63	3-12-67	DEC 65-DATE		1965		0.00	LOCAL

Station located on right bank 0.8 mile east of Greeley Hill and 4.8 miles northeast of Coulterville.
 Maximum discharge of record from rating curve extended above 154 cfs.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B51250	MAXWELL CREEK AT COULTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.0	0.8	0.8	22	1.2	16	24	3.8	1.5	0.2	0.0	1
2		0.0	8.2	0.8	13	1.0	23	21	3.2	1.4	0.2	0.1	2
3		0.1	5.6	0.8	9.8	1.0	18	20	3.0	1.1	0.2*	0.1	3
4		0.0	2.0	0.8	7.4	1.0	45	18 *	2.8	1.1	0.2	0.1	4
5		0.0	50 *	0.7*	6.1	0.8	98	17	3.2	1.0	0.1	0.1	5
6		0.2	313	0.7	5.2	0.8	220 E	14	2.8	1.0	0.1	0.1	6
7		0.1	22	0.7	4.6*	0.9*	496 #	13	2.4*	1.0	0.1	0.1	7
8		0.1	9.2	0.7	4.6	0.9	107	12	2.2	0.8	0.1	0.1	8
9		0.1	6.1	0.7	3.9	0.8	54	11	2.1	0.8	0.1	0.1	9
10		0.1	4.0	0.7	3.4	0.6	47	18	1.9	0.7	0.1	0.1	10
11		0.1	3.5	0.7	3.2	4.6	110	11	2.1	0.6*	0.1	0.1	11
12	N	0.1	3.0	0.6	3.2	440	88	9.7	2.1	0.5	0.1	0.1	12
13	O	0.1	2.3	0.6	2.8	296 *	58	9.6	1.9	0.5	0.1	0.1	13
14		0.2	2.2	0.6	2.6	139	40	8.5	1.9	0.5	0.0	0.1	14
15		0.2	2.0	0.7	2.6	57	51	8.3	1.9	0.6	0.0	0.1	15
16	F	0.5*	1.6	0.7	2.3	190	43	6.8	1.8	0.5	0.0	0.1	16
17	L	0.3	1.4	0.7	2.0	66	48	6.4	1.6	0.5	0.0	0.1	17
18	O	0.3	1.4	0.6	1.9	29	290	6.4	1.6	0.4	0.0	0.2	18
19	W	0.5	1.1	0.5	1.8	17	186	5.7	1.6*	0.5	0.0	0.2	19
20		2.1	1.0	0.5	1.8	11	134	6.0	1.6	0.4	0.0	0.2	20
21		1.1	0.9	3.6	1.7	8.1	181	5.5	1.4	0.4	0.0	0.1	21
22		4.9	0.8	34	1.4	6.7	170	5.4	1.3	0.4	0.0	0.1	22
23		1.6	0.8	6.7	1.5	5.9	152	5.4	1.1	0.3	0.0	0.1	23
24		1.0	0.7	26	1.4	4.8	144	4.7	1.0	0.3	0.0	0.1	24
25		0.7	0.8	18	3.1	3.9	95	4.5	1.0	0.3	0.0	0.1	25
26		0.6	1.1	8.2	2.0	3.7	66	3.8	0.8	0.3	0.0	0.1	26
27		0.5	0.8	5.3	1.6	3.2	52	3.8	0.8	0.4	0.0	0.1	27
28		0.9	0.8	5.3	1.3	4.0	40	3.8	1.1	0.3	0.0	0.1	28
29		0.6	0.8	91		4.0	33	3.7	1.6	0.2	0.1	0.1	29
30		0.7	0.8	127 *		3.6	28	3.7	1.5	0.2	0.1	0.1	30
31			0.8	69		11		4.2	0.2	0.2	0.0	0.1	31
MEAN		0.6	14.5	13.2	4.2	42.5	104	9.5	1.9	0.6	0.1	0.1	MEAN
MAX.		4.9	313	127	22	440	496 E	24	3.8	1.5	0.2	0.2	MAX.
MIN.		0.0	0.7	0.5	1.3	0.6	16	3.7	0.8	0.2	0.0	0.0	MIN.
AC. FT.		35	892	809	234	2613	6214	585	113	37	4	6	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AHD *

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET	
15.9		1220E	5.48	4	7	0110	0.0		10	1	0000	11540	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 42 58	120 11 20	SE34 2S 16E	1770E	5.71	12-23-64	DEC 58-DATE		1958		0.00	LOCAL

Station located on downstream side of Dogtown Road Bridge, 0.5 mile northeast of Coulterville. Tributary to Merced River. Drainage area is 17.0 square miles. Maximum discharge of record from rating curve extended above 717 cfs. Altitude of gage is 1,740 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B05170	MERCED RIVER BELOW SNELLING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.1	6.4	17	6.3	34 *	9.7	7.2	3290	3130	6750	1080	485	1
2	5.9	7.2*	16 *	5.3	14	50	7.2	3140 *	3030	6730	612 *	87	2
3	4.9*	9.1	20	5.2	9.3	12 *	8.0	3250	3220	6750	537	70	3
4	4.0	8.0	17	5.6	7.2	7.0	93	3300	3240	6810	426	80	4
5	10	7.0	29	5.8	6.4	5.4	51 *	3360	1960	5740	588	126 *	5
6	9.8	9.3	193	5.2	5.9	4.7	38	3310	1240 *	6200	629	152	6
7	5.6	12	118	4.6	10	4.7	343	3260	998	5300 *	608	187	7
8	4.6	13	36	4.0	12	6.6	221	3280	1020	5480	423	152	8
9	4.2	13	16	3.8	12	17	133	3340	1140	5390	489	66	9
10	4.3	12	7.9	3.7*	11	18	123	3290	2640	5320	545	70	10
11	4.6	12	4.7	3.6	11	23	485	3140	3190	5070	553	109	11
12	13	12	4.2	3.6	13	26	367	3220	1490	2290	423	160	12
13	11	13	4.2	3.7	12	137	305	3240	1160	1500	518	116	13
14	16	13	3.8	3.7	11	236	301	3200	1160	1660	564	62	14
15	17	11	3.7	4.0	11	82	308	2660	1390	1620	511	66	15
16	16	8.9	20	4.2	9.3	224	301	1920	1320	858	493	62	16
17	18	11	17	4.6	8.9	295	240	1380	2870	694	468	77	17
18	19	8.4	13	4.6	9.8	36	428	1480	3110	761	478	87	18
19	19	8.4	13	5.1	10	54	587	1580	1580	800	489	84	19
20	19	10	13	5.0	9.8	73	1570	1580	1390	734	489	95	20
21	19	10	8.5	5.4	7.9	66	2590	1530	1150	753	530	87	21
22	17	19	7.2	5.8	7.6	43	2800	1950	2770	564	553	58	22
23	13	16	11	6.2	8.2	29	2760	2690	4710 *	605	596	87	23
24	8.9	12	13	20	14	17	3060 *	2710	5630 *	574	596	73	24
25	7.2	11	11	36	13	58	3450	2690	5940	586	608	68	25
26	7.7	12	10	17	14	40	3460	2560	6910 *	521	621	84	26
27	8.4	11	8.6	12	13	7.1	3350	2630	4470	597	612	68	27
28	9.6	12	6.7	9.8	11	15	3280	2650	5150 *	545	633	64	28
29	8.1	12	8.6	13	14	14	3390	2650	6810	533	650	57	29
30	6.5	19	7.7	106	10	10	3360	2680	6810	548	515	60	30
31	6.3		6.9	141		8.9		2590		721	629		31
MEAN	10.4	11.3	21.5	15.0	11.3	52.6	1247	2695	3021	2678	563	103	MEAN
MAX.	19	19	193	141	34	295	3460	3360	6910	6810	1080	485	MAX.
MIN.	4.0	6.4	3.7	3.6	5.9	4.7	7.2	1380	998	521	423	57	MIN.
AC. FT.	640	672	1320	920	627	3231	74210	165700	179800	164600	34640	6147	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
874		7100	13.88	6	26	1730	3.4	5.19	1	11	2400	632500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 30 06	120 27 03	NE 17 5S 14E	14500	17.10	1-7-65	NOV 58-DATE			1958		0.00	LOCAL

Station located 0.2 mile downstream from Merced-Snellings highway bridge, 1.4 miles southwest of Snelling. Flow regulated by Exchequer powerplant and Lake McClure. Prior to November 1958, records available for a site 3.6 miles downstream. Altitude of gage is approximately 221 feet (from U. S. Geological Survey topographic map).

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B05155	MERCED RIVER AT CRESSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20 *	29 *	42 *	56	413 *	72 *	77	3400 *	2890 *	6780	1010 *	584 *	1
2	18	28	49	55	181	67	70	3290	2940	6820	784	350	2
3	18	28	56	55	122	64	74 *	3250	2950	6800	595	190	3
4	26	28	75	48	105	69	70	3210	3070	6680	463	151	4
5	28	28	85	47	99	64	99	3410	2890	6120	453	148	5
6	36	28	170	45	98	55	259	3380	1610	6040	595	136	6
7	60	29	648	47	89	51	864	3360	1250	5430 *	630	148	7
8	45	28	299	45	82	52	876	3280	1190	5230	536	166	8
9	32	30	195	45 *	92	47	419	3410	1240	5240	400	151	9
10	22	31	136	45	92	41	280	3390	1390	5240	496	120	10
11	34	32	109	52	82	45	938	3340	2870	5020	502	122	11
12	32	31	85	56	78	61	816	3210	2670	4150	496	128	12
13	26	36	74	58	77	446	505	3300	1370	1720	379	146	13
14	30	36	66	51	74	692	394	3310	1320	1730	512	146	14
15	34	34	60	45	75	425	367	3170	1470	1690	479	109	15
16	28	37	56	47	70	270	416	2270	1370	1000	453	105	16
17	21	37	52	42	70	667	403	1960	1640	872	434	101	17
18	24	39	54	41	69	419	567	1370	2870	774	425	101	18
19	28	42	60	40	66	224	1200	1670	2630	837	453	112	19
20	23	47	62	40	62	168	1260	1730	1570	773	441	120	20
21	18	48	64	42	61	168	2400	1680	1300	840	463	126	21
22	26	47	64	52	61	166	4140 *	1700	1390	463	479	138	22
23	34	45	60	72	61	140	2970	2570	3390	598	512	128	23
24	37	47	56	103	61	128	3440	2760	5000 *	678	570	122	24
25	42	47	58	400	61	107	3620 *	2790	5000	630	563	140	25
26	39	44	61	148	66	96	3750	2750	6420 *	563	591	142	26
27	39	42	60	99	87	130	3540	2660	4550	460	587	130	27
28	41	42	56	70	78	96	3460	2750	5970	630	602	126 *	28
29	39	42	58	62	74	74	3450	2750	5140	542	627	120	29
30	37	41	58	463	72	3460	2770	6750	512	627	116	30	30
31	34	56	56	901	78	78	2730	2730	556	519	519	116	31
MEAN	31.3	36.8	99.5	109	94.0	169	1473	2794	2870	2755	538	154	MEAN
MAX.	60	48	648	901	413	692	4140	3410	6420	6820	1010	584	MAX.
MIN.	18	28	42	40	61	41	70	1370	1190	460	379	101	MIN.
AC.FT.	1926	2188	6117	6688	5220	10421	87640	171800	170800	169400	33080	9168	AC.FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
932	6850	21.65	6	27	0300	16	9.91	10	3	2200	674300

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO OH GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 25 28	120 39 47	SW 9 6S 12E	34400	22.67 32.67a	12-4-50 12-4-50	JUL 41-DATE	APR 41-JUL 41	1950 1962	1962	96.24 86.24	USCGS USCGS

Station located 150 feet downstream from McSwain Bridge, immediately north of Cressey. Prior to May 20, 1960, station located 250 feet upstream from bridge.

a Reflects present datum.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B08720	ORESTIMBA CREEK NEAR CROWS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.9	1.2	0.8	0.1	241	5.0	43				26	10	1
2	5.0	1.3*	1.0	0.1	105	2.9	52				24	12	2
3	4.2	1.6	1.1	0.2	62	1.9*	50				22 *	30	3
4	2.5*	1.5	0.9	0.1	37	1.3	38				15	25	4
5	2.8	1.8	1.5	0.1	24	1.9	31				14	50 *	5
6	4.3	9.6	33	0.1	16 *	2.4	52 *				29	19	6
7	2.2	7.0	184 *	1.0	9.8	0.0	107				68	7.9	7
8	2.6	2.0	17	1.4	5.3	0.0	94				40	12	8
9	2.3	1.6	1.9	1.4	3.0	0.0	58				27	12	9
10	2.7	1.3	1.1	1.3*	2.4	28	57				28	32	10
11	2.7	2.0	0.8	0.1	1.7	58	84				26	41	11
12	2.2	1.8	0.7	0.0	1.0	47	94				22	25	12
13	2.8	1.0	0.6	0.0	0.5	93	91				22	21	13
14	2.8	0.8	0.6	0.0	0.1	98	84				22	26	14
15	3.4	0.9	0.6	0.0	0.0	70	52				19	7.9E	15
16	3.8	0.9	0.5	0.0	0.0	541	48			50 E	15	4.4E	16
17	3.3	0.9	0.3	1.1	0.0	521	60			69	14	5.1E	17
18	8.5	0.7	0.4	1.5	0.2	205	73			37	13	6.6E	18
19	7.9	0.8	0.4	1.1	1.1	126	101			29	15	22 E	19
20	2.5	0.9	0.4	0.8	1.4	75	145 *			28	16	4.9E	20
21	1.0	0.9	0.4	1.4	5.8	91 *	261			26	28	4.4E	21
22	1.3	0.8	0.4	299	11	73	a			28	12	6.8E	22
23	2.5	0.7	0.4	119	30 *	57				27	11	6.6E	23
24	2.5	0.7	0.4	757 *	39	53				30 *	14	14 E	24
25	1.5	0.7	0.4	614 *	23	65				20	27	23	25
26	1.7	0.8	0.4	205	14	70				20	26	22	26
27	1.7	0.8	0.3	113	1.8	77				23	17	14	27
28	1.2	0.9	0.4	68	3.1	92				26	26	8.2E	28
29	1.5	0.9	0.4	55		72				26	19	7.6E	29
30	1.5	0.8	0.5	336		59				25	14	7.9E	30
31	2.1		0.4	277		48				25	10		31
MEAN	3.0	1.6	8.1	92.1	22.8	85.0					22.0	15.9	MEAN
MAX.	8.5	9.6	184	757	241	541					68	50	MAX.
MIN.	1.0	0.7	0.3	0.0	0.0	0.0					10	4.4E	MIN.
AC. FT.	184	94	500	5662	1268	5225					1351	949	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *
 a - SEE NOTE a BELOW

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET	
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME
1850	1850	11.13	1	24	1950	0.0		1	11	1430

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LDNGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECDRD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 24 59	121 00 45	SW 8 6S 9E	2650E	12.08	2-1-63	DEC 57-DATE		1957		0.00	LOCAL

Station located 0.1 mile downstream from River Road Bridge, 3.7 miles northeast of Crows Landing. This includes drainage returned to San Joaquin River. Maximum discharge of record from rating curve extended above 1,654 cfs. Altitude of gage is approximately 50 feet (from U. S. Geological Survey topographic map).

a During the period April 22 through July 15, 1967, this station was in backwater from the San Joaquin River creating a condition which made it impossible to determine the discharge. The gage height record was obtained and is available in Department of Water Resources' files.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B07250	SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	213	252	359	498	2460	557	849	15700	11400	7760	1330	1140	1
2	217	254 *	371	493	3220	527	888	15600 *	11800 *	8090	1380	1170	2
3	218	251	377	488	3690	509 *	987	15500	12100	8240	1430	1110	3
4	215 *	248	397	488	3570	506	1260	15400	12200	8410	1280	1030	4
5	224	251	446	517	3030	489	1410	15300	12500	8540	1360	1000 *	5
6	221	260	540	596	2890	493	1430 *	15200	12600	8410 *	1370	974	6
7	209	286	792	625	3150	491	1740	15100	12200	8230	1260	942	7
8	210	297	1150	646	3460	478	2500	15000	11500	8240	1300	906	8
9	221	291	1990 *	666	3630	463	3210	14700	11200	8390	1280	903	9
10	223	285	2470 *	660 *	3460 *	489	3650	14300	11100	8750	1190	916	10
11	222	287	2360	634	2800	540	3940	14100	11300	8910	1220	971	11
12	213	286	1950	611	2000	541	4100	13800	12000	8840	1210	913	12
13	205	289	1540	596	1510	575	4280	13600	11900	7680	1200	887	13
14	195	301	1260	577	1280	686	4360	13700	10900	4650	1170	856	14
15	213	307	1080	565	1130	1220	4380	13700	9980	3490	1190	850	15
16	220	311	966	549	1040	2310	4120	13500	9310	3070	1160	865	16
17	205	309	875	525	951	2990	3880	12800	8670	2760	1120	881	17
18	198	291	788	501	860	2710	3940	12000	8110	2460	1110	942 *	18
19	197	278	716	490	793	2910	4310	11300	8170	2190	1100	925	19
20	199	290	673	490	738	3000	5040 *	10800	7870	2110	1090	894	20
21	202	313	649	501	698	2530	5890 *	10500	6820	2080	1190	862	21
22	207	328	634	743	667	1880 *	7510	10300	5840 *	2000	1170	847	22
23	215	347	630	703	646	1370	10700	10200	5220	1730	1120	856	23
24	231	354	634	1050	669	1110	13100 *	10500	6230	1680	1120	843	24
25	230	349	616	1443	645	950	14900 *	10800	7140	1610	1180	878	25
26	216	343	588	1060	607	901	15900	10900	7890	1570	1170	881	26
27	244	343	555	1150	576	905	16600	10900	8470	1460	1190	859	27
28	251	343	533	1340	567	882	16400	10800	8160	1370	1260	837	28
29	234	348	518	1320	827	16100	10900	10900	7820	1380	1230	822	29
30	235	346	513	1410	792	15600	11000	11000	7450	1340	1190	801	30
31	245		501	2200		786		11100		1330			31
MEAN	218	301	886	778	1812	1143	6432	12870	9595	4735	1218	919	MEAN
MAX.	251	354	2470	2200	3690	3000	16600	15700	12600	8910	1430	1170	MAX.
MIN.	195	248	359	488	567	463	849	10200	5220	1330	1090	801	MIN.
AC. FT.	13380	17930	54490	47850	100600	70250	382800	791400	570900	291100	74900	54670	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE		MAXIMUM					MINIMUM					TOTAL ACRE FEET
3412	16700	GAGE HT. 56.69	MO. 4	DAY 27	TIME 1830	DISCHARGE 191	GAGE HT. 37.57	MO. 10	DAY 14	TIME 1100	2470000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 26 52	121 00 44	NW 8 6S 9E	61.9	4-7-58	16700b	OCT 65-DATE	41-SEP 65	1959	1959	0.00	USED
			58.4a	4-7-58				1959		0.00	USGS
			56.69	4-27-67				1959		3.51	USED

Station located at Crows Landing Road Bridge, 4.3 miles northeast of Crows Landing.

a Reflects present datum.
 b Maximum discharge since station was rated in October 1965.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B04175	TUOLUMNE RIVER AT LA GRANGE BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11	422	557	872	2280 *	2040	5130	2940	4240	7840	20	20 *	1
2	16	584	563	888	2540	1950 *	5010	2600	4280	7460	16 *	20	2
3	27 *	584	562	1350	2370	1870	3530 *	2620	4280	7210	21	20	3
4	26	588 *	562	1200	2640	1210	1750	2620	4240	7300	18	20	4
5	12	583	979	1130	2630	728	2200	2580	4570	7060	18	19	5
6	16	583	1470	1120 *	2460	1040	4720	2550	4570 *	7340	18	163	6
7	12	603	3400 *	818	2630	977	5840	2500	3560	7280 *	18	13	7
8	16	584	4510	726	2460	920	5810	2310 *	3530	6140	18	9.0	8
9	47	584	5260	1000	2620	1090	5660	2740	4380	3900	18	8.3	9
10	398	576	4690	906	2640	1570	4670	4640	4540	4100	18	8.3	10
11	371	583	3950	913	2630	1280	3690	5560	5000	2270	18	9.0	11
12	374	590	2540	818	2600	1040	4700	3040	4960	63	19	9.0	12
13	374	450	2310	843	2320	1710	6060	1340	3930	24	19	9.8	13
14	415	591	2400	716	2460	2240	4180	1600	1780	119	24	13	14
15	428	611	2390	691	2560	5030	2510	2220	1340	1510	28	21	15
16	461	585	2400	812	2680	7110	2470	3090	4200	3810	27	24	16
17	527	594	2390	838	2660	7210 *	2260	3210	5250	3710	27	22	17
18	602	524	2420	911	2640	7240	4480	3280	5280	3290	27	24	18
19	605	12	2420	915	2590	7150	6370	3680	5940	2690	26	22	19
20	603	9.2	2460	945	2560	7020	6330	3100	6310	1340	25	22	20
21	603	424	2480	751	2640	6920	5860	3830	6310	975	28	22	21
22	593	587	2480	663	2650	5160	5940	4000	6060	896	31	22	22
23	301	530	2500	896	2620	2970	4510	3880	6660	709	31	21	23
24	417	9.1	2530	946	2230	2770	5150	3800	6900	1150	31	22	24
25	384	318	2550	775	2020	2130	4530	3390	6870	355	30	21	25
26	377	9.8	2590	892	1790	1980	4050	2650	6850	76	24	20	26
27	378	7.9	2200	691	2130	1770	4030	3060	6930	46	22	739	27
28	368	406	1680	624	2090	1640	4050	3410	6820	56	21	356	28
29	364	584	1890	641	1710	1710	3540	3850	7160	30	25	78	29
30	12	566	1920	1080	1960	1960	2880	4250	7860	25	22	11 *	30
31	349		1410	1180		4080		4280		24	21		31
MEAN	306	456	2305	889	2469	3017	4397	3181	5153	2864	22.9	59.6	MEAN
MAX.	605	611	5260	1350	2680	7240	6370	5560	7860	7840	31	739	MAX.
MIN.	11	7.9	557	624	1790	728	1750	1340	1340	24	16	8.3	MIN.
AC. FT.	18820	27130	141700	54650	137100	185500	261600	195600	306600	176100	1410	3547	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
2086		8070	175.94	6	30	1900	1.7	167.25	11	25	0630	1510000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 39 59	120 27 40	NW20 3S 14E	48200	188.0	12-8-50			OCT 36-SEP 60	1937		0.00	USGS
						OCT 61-DATE						
Station located at highway bridge, immediately north of La Grange. Flow regulated by reservoirs and powerplants. Drainage area is 1,540 square miles.												

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B04150	TUOLUMNE RIVER AT HICKMAN BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	103	450	680	1070	1920	2100	5670	3480	4210	7800	123	106 *	1
2	99	680	704	928	2530	2080 *	5640	2960	4230	7510	119	92	2
3	98 *	679	690	1050	2540 *	1940	5320 *	2960 *	4220	7160 *	112 *	92	3
4	96	684 *	698	1290	2590	1680	2860	2900	4190	7290	106	89	4
5	96	696	854	1170	2660	1090	2760	2760	4310 *	7020	99	89	5
6	100	703	1380	1130 *	2560	939	4530	2670	4750	7210	96	96	6
7	95	703	2610 *	1010	2640	1130	6230	2620	4000	7160	99	186	7
8	95	713	4130	806	2580	1080	6250	2490	3490	6890	96	116	8
9	95	701	4650	836	2620	1040	6110	2580	4350	4880	102	102	9
10	98	699	5410	972	2670	1450	5890	3680	4310	3970	96	96	10
11	436	698	3190	908	2690	1530	4490	5160	5370	4010	106	92	11
12	449	699	2940	884	2640	1220	4470	4390	4970	515 E	96	92	12
13	456	637	2530	867	2440	1390	6250	1700	5080	370 E	96	92	13
14	491	633	2600	809	2490	1950	5570	1590	3020	355 E	96	96	14
15	518	709	2600	741	2570	4710	3230	2170	1540	355 E	96	102	15
16	674	741	2610	750	2680	7520	3410	2860	3540	4280	96	92	16
17	523	706	2630	847	2670	7580 *	2860	3440	5520	3530	106	96	17
18	691	695	2640	867	2650	7470	3780	3220	5630	3860	102	106	18
19	697	442	2650	941	2620	7320	6080	3730	5940	3320	92	109	19
20	694	177	2680	948	2550	7190	6240	3510	6570	2030	86	109	20
21	692	158	2740	928	2630	7070	6050	3360	6620	1520 E	89	102	21
22	693	687	2750	842	2670	6700	6020	4170	6560	1330 E	92	102	22
23	584	689	2750	751	2670	3770	5070	3920	6650	795 E	96	106	23
24	386	458	2790	999	2290	3630	5200	3840	7110	852	96	109	24
25	472	170	2820	1010	2210	3000	4810	3720	7120	1190 #	96	119	25
26	490	388	2860	925	2020	2770	4380	3030	7060 *	355 E	96	109	26
27	480	147	2770	923	2010	2550	4260	2890	7140	182 E	92	109	27
28	467	138	1980	784	2180	2410	4280	3450	7050	155 E	96	772	28
29	465	634	2010	785	2430	4180	3600	7020	7020	152 E	89	408	29
30	418	690	2040	963	2480	3120	4140	7600	7600	140 E	99	167 *	30
31	152		1900	1510	3950		4220			126 E	99		31
MEAN	384	567	2461	943	2500	3328	4834	3265	5306	3107	98.7	138	MEAN
MAX.	697	741	5410	1510	2690	7580	6250	4220	7600	7800	123	772	MAX.
MIN.	95	147	680	741	1920	939	2760	1590	1540	126	86	89	MIN.
AC.FT.	23610	33730	151300	58010	138800	204600	287600	200700	315700	191000	6069	8237	AC.FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR
OBSERVATION OF NO FLOW
- E AND *

MEAN		MAXIMUM					MINIMUM				TOTAL	
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET	
2237	7890	76.96	7	1	0600	80	68.38	8	19	2400	1619000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D. 8 & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM		
			CFS	GAGE HT.	DATE			FRDM	TD				
37 38 10	120 45 14	NW34 3S 11E	59000	96.2	12-8-50	JUL 32-OCT 36				1932		0.00	USCGS
						JAN 37-MAR 37							
						JUL 37-FEB 38							
						JUL 38-DEC 38							
						MAR 39-DATE							

Station located at Hickman-Waterford road bridge, immediately south of Waterford. Flow regulated by reservoirs and powerplants. In August 1964, this station was moved approximately one-quarter mile downstream to a point immediately upstream of the new Hickman-Waterford road bridge.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B04130	DRY CREEK NEAR MODESTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	47	23	17	19	565	28	90	89	68	78 E	64	69 *	1
2	55	24	18	18	230	26	134	76	104	78 E	63 *	70	2
3	72 *	23 *	25	18	155	24 *	126	65	149	73 #	64	72	3
4	74	23	23	17	123	23	105	58	104 E	66	63	76	4
5	57	22	49	17	103	22	93	49 *	101 E	62	63	65	5
6	68	22	481	17	81	21	120 *	53	98 E	67	63	84	6
7	56	25	1410 *	16	69	20	556	94	95 E	60	63	73	7
8	29	21	347	16	59	20	1030	69	87 *	63	63	75	8
9	33	20	125	16	52	19	376	58	67	57	62	86	9
10	29	20	60	15	46 *	18	213	88	63	54	63 E	85	10
11	28	20	34	15	43	19	873	50	73	63	64 E	91	11
12	31	20	24	15	40	18	1180 *	60	101	53	63 E	98	12
13	31	20	20	14	38	19	325	72	92	56	64 E	95	13
14	33	20	17	14	34	165 *	192	57	87	61	66 E	90	14
15	48	19	16	13	33	211	183	56	81	60	66 E	78	15
16	132	19	16	13 *	31	119	178	78	69	86	67 E	85	16
17	94	20	16	13	30	715	244	82	64	77	66 E	73	17
18	80	20	16	13	28	320	336	69	82	74	64 E	63	18
19	76	20	16	13	27	153	1550	67	72	78	63 E	82	19
20	73	20	17	13	26	97	600	67	77	70	63 E	92	20
21	65	22	19	14	25	67	372	56	68	60	63 E	93	21
22	57	22	19	453	24	52	1760	57	61	59	63 E	92	22
23	42	21	21	925 *	23	44	668	55	70	62	62 E	84	23
24	34	20	23	284	26	38	622	53	77 E	74	62 E	88	24
25	28	19	24	1260 *	26	34	621	47	77 E	74	63 E	70	25
26	29	19	23	554 *	25	32	300	53	77 E	71	63 E	78	26
27	26	18	23	199	25	29	198	60	77 E	68	65 E	73	27
28	25	18	22	135	25	28	154	53	77 E	71	65 E	76	28
29	26	18	21	135	26	26	132	57	77 E	74	67 E	82	29
30	24	17	21	1160	28	28	109	57	78 E	63	69 E	87 E	30
31	24	20	20	1770 *	84	84	84	59	62	62	69 E	87 E	31
MEAN	49.2	20.5	96.2	232	71.9	81.3	448	63.4	82.4	66.9	64.1	80.8	MEAN
MAX.	132	25	1410	1770	565	715	1760	149	149	86	69	98	MAX.
MIN.	24	17	16	13	23	18	90	47	61	53	62	63	MIN.
AC. FT.	3027	1220	5917	14270	3991	4996	26660	3896	4905	4114	3943	4810	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE		MAXIMUM					MINIMUM					TOTAL ACRE FEET
DISCHARGE	113	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	81740
		2380	80.80	4	22	1245	13	68.03	1	19	0300	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 39 26	120 55 19	SE 24 3S 9E	7710	88.04	12-23-55	MAR 41-DATE		1941		0.00	USCGS

Station located 0.1 mile downstream from Claus Road Bridge, 4 miles east of Modesto. Tributary to Tuolumne River. June 1930 to March 1941, records available for a site 2.5 miles downstream. This is a Department of Water Resources-Modesto Irrigation District cooperative station. Drainage area is 192.3 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B04105	TUOLUMNE RIVER AT TUOLUMNE CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	308	399	709	1880	2860	2210	3950	4340	4740	8030	459	371	1
2	311	539 *	759 *	1340	2640	2180 *	5280	4320 *	4800 *	8170	462	373	2
3	334	721	782	1210	2650 *	2130	5480	4050	4890	7950 *	459 *	371	3
4	340	802	795	1340	2510	2020	4760	3980	4900	7680	446	369	4
5	336 *	805	838	1410	2660	1700	3170 *	3760	4900	7650	431	371 *	5
6	315	818	1100	1320	2680	1280	3140 *	3700	5040	7450	438	357	6
7	336	848	2480	1280	2560	1240	4870	3700	5070	7700	443	358	7
8	331	828	3730	1150	2650	1290	6830	3570	4160	7500	424	388	8
9	324	815	4420 *	1020	2550	1230	7140	3530	4000	6790	421	371	9
10	329	808	5130 *	1070 *	2630	1240	6980	3610	4500	4750	409	368	10
11	334	815	5390	1140	2700	1590	6330	4750	5000	4650	407	371	11
12	522	808	3980 *	1110	2750	1570	6520	5760	5400	3160	408	369	12
13	602	805	3350	1070	2790	1400	6190	3950	5490	1080	424	371	13
14	617	752	2990	1070	2640	1660	7060	2850	4450	570	405	366	14
15	614	753	2900	1000	2720	2270	5850	2900	2700	600	398	355	15
16	690	831	2840	955	2640	4060	3800	3270	2300	1590	395	362	16
17	779	842	2840	966	2720	6630 *	3530	3740	4100	3740	397	362	17
18	756	821	2810	1020	2720	7540	3260	3900	5540	3980	397	351	18
19	828	808	2820	1050	2700	7600	5750	3800	5620	3800	394	350	19
20	852	626	2820	1080	2660	7640 *	7680	4100	6200	3320	398	361	20
21	855	414	2840	1140	2640	7620	7630 *	3550	6720 *	1680	392	354	21
22	845	386	2870	1190	2670	7470	7980	4000	6640	1320	386	359	22
23	845	659	2870	1810	2700	6290	8290	4230	6560	1200	383	365	23
24	743	756	2900	1460	2650	4010	6670 *	4060	7000	1000	392	362	24
25	594	588	2930	1840	2420	3340	7000 *	4100	7300	1030	391	351	25
26	626	399	2950	2090	2270	2750	6070	3780	7310	940	378	350	26
27	626	465	2970	1450	2070	2490	5480 *	3150	7260	680	378	348	27
28	611	355	2740	1220	2150	2290	5350	3400	7380	580	368	450	28
29	594	331	2200	1100	2180	2180	5250	3720	7340	540	365	760	29
30	591	597	2160	1530	2180	2180	4670	4130	7430	520	369	640	30
31	545		2140	2470	2490	2490	4490	4490		490	369		31
MEAN	559	673	2679	1316	2607	3277	5732	3877	5491	3553	406	388	MEAN
MAX.	855	848	5390	2470	2860	7640	8290	5760	7430	8170	462	760	MAX.
MIN.	308	331	709	955	2070	1230	3140	2850	2300	490	365	348	MIN.
AC.FT.	34380	40050	164700	80890	144800	201500	341100	238400	326800	218500	24960	23120	AC.FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
2540		8880	38.50	4	23	0330	302	23.44	10	1	1100	1839000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT DPLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 36 12	121 07 50	NW 7 48 8E	8880 ^a	46.65 38.50	12- 9-50 4-23-67	30-DATE		1960	1959	0.00	USED
								1960		0.00	USCGS
								1960		3.50	USED

Station located at highway bridge, 3.35 miles above mouth. Backwater at times, from the San Joaquin River, affects the stage-discharge relationship. Drainage area is 1,896 square miles.

^a Maximum discharge since Department of Water Resources began operation of station in April 1966.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	807040	SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	678	858	1180	2630	5850	3250	4900 E	21100	16100 E	15100	1830	1590	1
2	659	913	1220 *	2170	5710	3140 *	6200 E	20300	16600 E	15500	1780	1560	2
3	731	1050	1290	1890	6130	3040	6500 E	19400	17000 E	15700	1910	1650	3
4	737	1170	1340	1880	6240	2900	6000 E	18800 *	17100 E	15600	1810 *	1660	4
5	770 *	1180	1440	2040	6030	2690	5570 *	18300	17500 *	15100 *	1710 *	1580 *	5
6	751	1200	1650	1990	5790	2240	4960	17900	17500	14600	1700	1530	6
7	770	1260 *	2720	2000	5640	1980	5930	17400	18500	14400	1740	1460	7
8	760	1260	4580	1940	5760	2040	8010	17000	18100	13800	1770	1450	8
9	788	1270	5550	1820 *	5910 *	1930	9510	16400	16800	13300	1720	1440	9
10	789	1260	6490 *	1800	6010 *	1850	10100	16100	16300	12300	1720	1440	10
11	757	1250	7150	1870	5980	2100	10200	16600	16500	11300	1690	1460	11
12	871	1240	6410 *	1790	5620	2330	10300	17700	17300	10900	1660	1450	12
13	982	1250	5510	1710	5100	2230	10300	17400	17900	9230	1690	1410	13
14	1010	1240	4690	1670	4650	2450	10500	15300	17500	7630	1690	1380	14
15	1030	1200	4260	1610	4390	3500 E	10500	14200	15000	5860	1620	1360	15
16	1090	1270	4040	1540	4320	6400 E	9730	14200	12500	4640	1550	1340	16
17	1130	1290	3900	1510	4280	9600 E	9150	14700	11900	5450	1550	1350	17
18	1070	1280	3790	1550	4200	10200 E	8730	14600	11900	5540	1530	1380 *	18
19	1090	1250	3700	1540	4070	10500 E	9220	14000	12200	5360	1550	1400	19
20	1130	1170	3640	1580	3950	10600 #	10800 *	13400	12700	4770	1540	1360	20
21	1130	980	3610	1650	3870	10100 E	11900 *	12700	13300	3990	1560	1310	21
22	1140	899	3600	1950	3860	9300 E	12100	12300	13400	3470	1600	1340	22
23	1140	1050	3570	2880	3880	7600 E	13300	12600	12800 *	3190	1550	1370	23
24	1120	1210	3570	3140	3960	5000 E	14800	13700	12500	2770	1540	1420	24
25	1000	1180	3540	3510	3820	4300 E	17400	14900 E	12900	2600	1560	1430	25
26	963	988	3500	4020	3560	3700 E	20500 *	14700 E	14000	2630	1580	1440	26
27	956	990	3480	3390	3300	3400 E	21600	14000 E	14800	2250	1570	1440	27
28	980	931	3390	3760	3200	3200 E	21800 *	14200 E	15400	2030	1610	1440	28
29	983	860	2940	4050	3000 E	3000 E	22500	14600 E	15800	1940	1620	1660	29
30	975	1010	2760	3990	3000 E	3000 E	22400	15100 E	15300	1950	1590	1660	30
31	968		2730	4880	3300 E	3300 E		15600 E		1890	1610		31
MEAN	934	1132	3588	2379	4824	4544 E	11510	15780	15240	7896	1650	1459	MEAN
MAX.	1140	1290	7150	4880	6240	10600 E	22500	21100	18500	15700	1910	1660	MAX.
MIN.	659	858	1180	1510	3200	1850	4900 E	12300	11900	1890	1530	1310	MIN.
AC. FT.	57420	67360	220600	146300	267900	279400 E	685100	970300	906600	485500	101500	86800	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE	5905	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
		22660	32.65	4	29	1800	647	14.25	10	1	2150	4275000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LDHGITUDE	1/4 SEC. T. & R. M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TD			
37 38 28	121 13 37	SW29 3S 7E	39.8	12-	9-50	JAN 50-MAR 52	SEP 43-DEC 49	1943	1959	0.00	USED	
			36.4a				APR 52-SEP 65	1959		0.00	USCGS	
			22660b	32.65	4-29-67	OCT 65-DATE		1959		3.41	USED	

Station located at State Highway 132 Bridge, 13 miles west of Modesto, 2 miles upstream from mouth of the Stanislaus River. Gage height discharge relation affected by backwater from the Stanislaus River during high flows in the Stanislaus.

a Reflects present datum.
b Maximum discharge since station was rated in October 1965.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B03175	STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	60	168	507	3220 *	458	2590	4080	8000 *	5970	50	53 *	1
2	20	59 *	195	108	2910	504	2540	3930	5810	5820	46 *	54	2
3	24 *	60	238	416	2220	489 *	2150	3920	3050	5630 *	44	54	3
4	31	58	185	495 *	1810	510	1710	3920	2560	3750	44	52	4
5	24	60	675	504	1810	513	1630	3810 *	3640	3780	46	56	5
6	19	63	2650	507	1800	525	2290 *	3300	5200	2970	53	56	6
7	23	69	3090	501	1790	427	4770	2920	4840	1570	62	54	7
8	19	67	2070 *	505	1800	126	4830	2610	5270	630	58	54	8
9	16	66	1810	504	1790	116	4620	3050	5790	617	59	56	9
10	23	69	1730	409	1790	97	4350	2950	6140	522	62	59	10
11	22	74	1690	109	1790	108	4590	2970	6500	374	61	58	11
12	17	78	1360	98	1790	771	4090	3090	5710	158	59	58	12
13	19	82	806	87	1780	1900	3850	3110	4570	140	65	56	13
14	25	82	811	83	1780	1930	3670	3080	4770	374	69	59	14
15	23	80	815	77	1780	1900	3990	3090	4090	479	61	53	15
16	22	89	813	85	1750	4060	4100	3090	2930	950	59	53	16
17	24	88 *	802	76	1560	7880 *	4130	3070	2970	1620	56	46	17
18	27 *	85	806	66	1390	7870	4740	3210	5010	530	56	46	18
19	40	83	821	76	1390	7150	4650	3170	6220	503	58	46	19
20	66	89	822	74	1390	6420	4590	3090	5850	277	58	44	20
21	67	84	846	327	1380	4370	4950	3180	5870 *	228	56	46	21
22	67	96	846	4050	1550	3330	4790	5180	6150	92	58	46	22
23	70	104	801	1620	1730	2930	4660	8580	7020	84	61	50	23
24	69	117	539	2140	1620	2940	4740	9180 *	6980	83	64	44	24
25	148	112	525	2110	1090	2870	4610	8510 *	6860	74	58	42	25
26	156	105	523	2910	1090	2620	4500	8350	6920 *	74	58	43	26
27	171	108	510	4880	1070	2210	4410	8440	6770	72	56	43	27
28	127	101	505	4170	742	1760	4310	8280	6330	72	59	53	28
29	84	114	502	3100		1440	4250	8270	6020	72	59	46	29
30	69	131	503	3470 *		1240	4170	8350	6030	70	59	46	30
31	60		515	3420		1530		8420		76	59		31
MEAN	51.4	84.4	935	1209	1700	2290	3976	4845	5462	1215	57.2	50.9	MEAN
MAX.	171	131	3090	4880	3220	7880	4950	9180	8000	5970	69	59	MAX.
MIN.	16	59	168	66	742	97	1630	2610	2930	70	44	42	MIN.
AC. FT.	3160	5024	57470	74350	94440	140800	236600	297900	325000	74700	3517	3027	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET	
1818		9760	13.74	5	24	1600	13	1.53	10	9	0500	1316000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FRDM	TO		
37 47 18	120 45 41	SW 4 25 11E	62000E (Revised)	31.8	12-23-55	JUN 28-DEC 39 APR 40-DATE				116.6	USCGS

Station located at bridge, 5.0 miles east of Oakdale. Flow regulated by reservoirs and powerplants. Drainage area is 1,020 square miles. This station is equipped with radio telemeter.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B03145	STANISLAUS RIVER AT RIVERBANK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	92	133	235	564	3990 E	560							1
2	91	130 *	281	372	3790 E	534							2
3	93	129	354	281	2480	526							3
4	108	130	336	533 *	1930	523							4
5	109	131	382	544	1770	531							5
6	103	135	2210 E	541	1730	531							6
7	101	141	4160 E	534	1730								7
8	92	148	2190 #	531	1720								8
9	89	133	1800	531	1710								9
10	87	131	1760	536	1710								10
11	89	132	1810	250	1700								11
12	89	131	1840	160	1670								12
13	90	131	1040	135	1670								13
14	86	133	950	125	1680 *								14
15	88	136	940	116	1680								15
16	97	146	931	111	1690								16
17	94	144	919	143	1580								17
18	89	136	908	101	1320								18
19	87	137	924	98	1330								19
20	93	145	930	101	1340								20
21	125	148	936	120	1350								21
22	140	149	936	4490 E	1430								22
23	138	159	939	2180 E	1790								23
24	137	173	683	1990	1810								24
25	135	183	583	2380	1290								25
26	148	185	581	2310 E	1130								26
27	151	183	564	6750 E	1130								27
28	150	190	562	7300 E	964								28
29	148	183	564	4140 E									29
30	142	199	562	4100 E									30
31	137		562	5160 E									31
MEAN	110	149	1044	1523	1754								MEAN
MAX.	151	199	4160 E	7300 E	3990 E								MAX.
MIN.	86	129	235	98	964								MIN.
AC. FT.	6780	8854	64210	93670	97420								AC. FT.

STATION DISCONTINUED MARCH 7, 1967

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AHD *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
34 44 31	120 56 21	SW 24 28 9E	85800	103.18	12-23-55	JUL 40-MAR 67		1940		0.00	USCGS

Station located at Burneyville Bridge, immediately north of Riverbank. Drainage area is 1,055 square miles. Station discontinued on March 7, 1967.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B03115	STANISLAUS RIVER AT KOETITZ RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	130	132	178	662	3310	878 *	1820	4230	8490	6100	345	285 *	1
2	115	129 *	196	651	3040	672	2470	4160 *	8380 *	6090	337 *	314	2
3	135 *	128	224	495	2780	640	2500	4090	7200	5960	314	348	3
4	141	128	263	487	2280	613	2230	4010	4320	5680	271	391	4
5	157	128	284	611	1980	605	1880 *	3960	3550	4270	268	348	5
6	184	132	406	630	1900	601	1790	3880	4100	3960 *	278	351	6
7	175	140	1590	632	1870	596	2430	3490	5050	3340	266	323	7
8	152	138	2330 *	632	1860	554	3880	3130	5170	2280	259	369	8
9	158	141	1920	635 *	1850	417	4330	2860	5310	1680	247	309	9
10	153	138	1700	632	1830 *	361	4340	3230	5770	1540	247	440	10
11	203	136	1620	601	1820	318	4240	3220	6200	1370	323	461	11
12	233	134	1590	415	1800	284	4330	3210	6540	1170	354	472	12
13	156	133	1450	338	1790	575	4040	3240	6220	969	331	476	13
14	156	133	1040	298	1780	1420	3800	3230	4980	913	317	394	14
15	121	135	963	276	1760	1610	3680	3160	4710	1000	249	394	15
16	132	138	942	260	1750	1680	3810	3110	4260	1100	266	537	16
17	126	140	929	250	1720	2880	3890	3090	3500	1470	261	517	17
18	122	141	925	249	1590	5190	3980	3040	3450	1760	293	553	18
19	108	138	922	242	1450	6980	4470	3070	4270	1160	216	483	19
20	102	140	936	235	1420	7070 *	4660	3030	5460	1070	296	454	20
21	104	143	946	243	1400	6620	4500	2960	5560	883	360	521	21
22	111	144	955	488	1380	5100	4690	3060	5560 *	865	304	619	22
23	120	144	964	2490	1480	3700	4800	3840	5780	774	293	627	23
24	128	148	941	1790	1620	3170	4670	6420 *	6540	682	323	655	24
25	126	153	783	2050	1540	3040	4680	8510 *	6920	615	271	647	25
26	126	170	722	2040	1200	2930	4600	8410	6960	615	247	599	26
27	132	174	702	2390	1130	2720	4520 *	8230	6920	525	304	517	27
28	137	174	684	3640	1090	2380	4430	8330	6920	735	271	573	28
29	138	175	671	3710	2020	2020	4350	8300	6620	461	254	627	29
30	137	175	664	3090	1740	4300	8350	6210	6210	410	254	639	30
31	135	663	3270	1580	1580	1580	8390	8390	8390	345	236		31
MEAN	140	143	939	1111	1801	2224	3804	4621	5697	1929	286	475	MEAN
MAX.	233	175	2330	3710	3310	284	4800	8510	8490	6100	360	655	MAX.
MIN.	102	128	178	235	1090	7070	1790	2860	3450	345	216	285	MIN.
AC. FT.	8634	8533	57720	68300	100000	136700	226300	284100	339000	118600	17560	28250	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AHD *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
1925	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
1925	8820	46.16	5	25	1400	99	26.89	10	21	1330	1394000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 41 57	121 10 08	SW 2 3S 7E				OCT 62-DATE	MAR 50-SEP 62	1950	1951	0.00	USED
								1951		0.00	USED
								1951		3.60	USCGS

Station located on left bank 9.35 miles upstream from mouth, 0.6 mile northwest of Bacon and Gates Road junction, 3.7 miles southwest of Ripon. It is possible that backwater from San Joaquin River could affect the stage-discharge relationship.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	780	1040	1450	3100	8070	4040	5910 *	24900	22500	20400	2360	1910	1
2	785	1040 *	1510	2710	7880	3750	7930	24200	23100 *	20800	2250	1980	2
3	857	1200	1620	2490	8260	3590	8830	23600 *	23200	21100	2340	2060	3
4	906 *	1340	1680	2400	8270	3420	8920	23200	22000	21000	2310	2100	4
5	940	1340	1730	2610	7930	3240	7620	22800	20300	20300	2130	2010	5
6	955	1350	1820	2590	7600 *	2790	6740	22300	20100	19400	2100	1910	6
7	995	1420	3150	2600	7370	2480	7490	21800	21500	18900	2130	1880	7
8	955	1440	5660	2560	7410	2510	10300	21200	21700	17900	2180	1870 *	8
9	1000	1440	6660	2440	7610	2350	12700	20600	20500	16900	2130	1800	9
10	1000 *	1450	7510	2390	7740	2240	13700	20200	20200	15800	2100 *	1890	10
11	945	1450	8470	2470	7770	2340	13900	20500	20600	14400	2040	1990	11
12	1060	1430	8170	2340	7480	3420	14000	21500 *	21400	13600	2080	1990	12
13	1150	1440	6960 *	2200	6830	2520 *	13800	21700	22200	11900	2110	1890	13
14	1180	1420	5860	2150	6300	3210	13900	19800	22000	10300	2090	1870	14
15	1220	1390 *	5170	2050	5880	4130	14000	18500	19800	8270	1980	1830	15
16	1260	1460	4900	1940	5800	5500	13000	18300	17700	6600	1930	1910	16
17	1300	1500	4760	1900	5740	8630 *	12100	18500	16200	7030	1890	1990	17
18	1260	1490	4630	1910	5530	12100	11500	18500	16100	7540	1850	2040	18
19	1220	1470	4540 *	1920	5300	14600	11800	18000	16800	7190	1830	2100	19
20	1260	1410	4470	1940 *	5130	15900 *	14100	17400	17800	6520	1870	2040	20
21	1280	1200	4440	1980	5110	16300	15400	16900	18600	5520	1930	1970	21
22	1290	1100	4420	2320	4990	15500	15800	16300 *	18700	4660	1940	2030	22
23	1320	1220	4400	3920	4990	13600	17000	16600	18300	4240	1860	2100	23
24	1320	1430	4400	4590	5180	10500	18400	17800	18000	3750 *	1860	2160	24
25	1190	1460	4300	4720 *	5010	8390	20400	19300	18400	3470	1890	2230	25
26	1100	1240	4200	5650	4630	7380	23700 *	21000	19200	3500	1860	2220	26
27	1100	1200	4160	4950	4260 *	6660	25000	21000	20200 *	2970	1850	2190	27
28	1120	1190	4100 *	5660	4100	6050	25200	20700	20900	2620	1930	2140	28
29	1140	1110	3670	6230	6230	5450	25800	21000	21200	2440	1950	2290	29
30	1120	1220	3430	5960	4990	25900	21300	20800	20800	2460	1910	2470	30
31	1130		3400	6760	5050		21900			2460	1960		31
MEAN	1101	1330	4375	3208	6363	6536	14490	20360	20000	10450	2021	2029	MEAN
MAX.	1320	1500	8470	6760	8270	16300	25900	24900	23200	21100	2360	2470	MAX.
MIN.	780	1040	1450	1900	4100	2240	5910	16300	16100	2440	1830	1800	MIN.
AC.FT.	67710	79120	269000	197300	353400	401900	862500	1252000	1190000	642500	124200	120700	AC.FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - ERROR

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
7681	26100	29.28	4	30	0200	780	10.39	10	1		5561000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE NT.	DATE			FROM	TO		
37 40 34	121 15 51		79000	27.75 32.81a	12-9-50 12-9-50	JUL 22-DEC 23 JAN 24-FEB 25 JUN 25-OCT 28 MAY 29-DATE		1931	1959	8.4 5.06 0.00	USED USCGS USCGS

Station located on left bank 80 feet upstream from the Durham Ferry Highway Bridge, 3 miles downstream from the Stanislaus River 3.4 miles northeast of Vernalis. Drainage area is approximately 13,540 square miles. Natural flow of stream affected by storage reservoirs, power developments, ground water withdrawals and diversions for irrigation. Low flows consist mainly of return flow from irrigation. This station is operated under the Federal-State Cooperative Program. Equipped with DWR radio telemeter. The records are furnished by the U. S. Geological Survey.

a Reflects present datum.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C01120	SOUTH FORK KINGS RIVER BELOW EMPIRE WEIR #2

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0			0		59	179	122	43	159	1
2			0			0		35	175	457	37	179	2
3			0			0		31	125	854	29	202	3
4			0			0		31	102	1610	162	170	4
5			0			0		395	124	1860	217	165	5
6			0			0		591	175	1890	242	165	6
7			0			0		537	162	1750	254	172	7
8			22			0		480	149	1180	264	187	8
9			139			0		440	149	667	189	134	9
10			0			0		530	140	154	116	131	10
11			0			0		810	110	7	63	135	11
12	N	N	0	N	N	0	N	1150	53	66	31	134	12
13	O	O	0	O	O	0	O	1320	13	131	35	96	13
14			0			0		1490	0	189	19	29	14
15			0			0		1600	0	320	19	7	15
16	F	F	0	F	F	0	F	1560	0	430	18	6	16
17	L	L	0	L	L	0	L	1520	0	425	18	23	17
18	O	O	0	O	O	0	O	1410	0	369	26	24	18
19	W	W	0	W	W	0	W	1410	0	336	43	24	19
20			0			2		720	0	288	131	22	20
21			0			5		250	0	249	194	22	21
22			0			5		96	0	257	182	22	22
23			0			29		159	0	192	172	22	23
24			0			35		102	0	177	119	22	24
25			0			35		18	0	220	102	22	25
26			0			31		8	0	143	107	22	26
27			0			0		8	33	37	128	22	27
28			0			0		12	70	4	140	22	28
29			0			0		215	70	3	137	22	29
30			0			0		202	134	3	143	22	30
31			0			0		202	0	5	152	22	31
MEAN			5			5		561	65	464	114	79	MEAN
MAX.			139			35		1600	179	1890	264	202	MAX.
MIN			0			0		8	0	3	18	6	MIN.
AC.FT.			319			282		34495	3894	28552	7005	4728	AC.FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 H - E AND *

MEAN		MAXIMUM					MINIMUM				TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE FEET
110		2020	4.42	7	4	1800	0		10	1	0000	79275

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO DN GAGE	REF. DATUM
			CFS	GAGE NT.	DATE			FROM	TO		
36 10	119 50	20S 19E	4010a		11-22-50	37-DATE					

Station located 1.0 mile southwest of Stratford. South Fork Kings River, composed of Kings River water, is a tributary to the Tulare Lake area. Records furnished by Kings River Water Association.

a Maximum discharge since 1950.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C02602	CROSS CREEK BELOW LAKELAND CANAL #2

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0	12	2		0	190	15	0			1
2			0	12	0		0	175	15	30			2
3			0	12	0		0	160	0	70			3
4			0	12	0		0	158	0	70			4
5			0	12	0		10	210	0	25			5
6			20	12	0		30	395	0	0			6
7			140	12	0		25	396	0	0			7
8			660	12	0		50	394	0	0			8
9			800	12	0		6	420	0	0			9
10			700	12	0		0	415	0	0			10
11			700	12	0		0	440	0	0			11
12	N	N	900	12	0	N	0	440	0	0	N	N	12
13	O	O	1000	12	0	O	0	446	0	0	O	O	13
14			1250	12	0		0	457	0	0			14
15			1250	12	0		0	467	5	0			15
16	F	F	1130	12	0	F	0	445	20	0	F	F	16
17	L	L	1080	12	0	L	0	337	20	0	L	L	17
18	O	O	1080	10	0	O	0	42	18	0	O	O	18
19	W	W	1200	8	0	W	0	25	18	0	W	W	19
20			1220	5	0		0	25	20	0			20
21			1180	4	0		24	25	20	0			21
22			1190	4	0		41	25	20	0			22
23			455	4	0		30	25	20	0			23
24			75	3	0		10	30	10	0			24
25			15	2	0		0	30	0	0			25
26			15	2	0		0	30	0	0			26
27			15	2	0		0	30	0	0			27
28			15	2	0		19	25	0	0			28
29			15	2	0		128	25	0	0			29
30			12	3	0		245	25	0	0			30
31			12	3	0			20	0	0			31
MEAN			520	8.3	0		20.6	204	6.7	6.3			MEAN
MAX.			1250	12	2			467	20	70			MAX.
MIN.			0	2	0			0	0	0			MIN.
AC. FT.			31992	512	4		1226	12550	399	386			AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H - E AND *

MEAN
DISCHARGE
65.0

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME

MINIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME

TOTAL
ACRE FEET
47069

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE NT.	DATE			FROM	TO		
36 12 42	119 34 05	NE 10 20S 22E				21-DATE					
Station located downstream from Cross Creek Weir, 4 miles east of Guernsey. Tributary to Tulare Lake area. At times the flow is a combination of water from Kaweah River, Kings River, and Cottonwood Creek. Records furnished by the Corcoran Irrigation District.											

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03913	FRIANT-KERN CANAL DELIVERY TO PORTER SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.6					0	7.3			0	5.9	8.2	1
2	1.4					0	11			0	5.9	8.2	2
3	0					0	11			0	5.9	8.2	3
4	0					0	11			0	5.9	7.8	4
5	0					0	11			0	5.9	7.8	5
6	0					0	16			0	5.9	7.8	6
7	0					0	20			2	5.9	8.2	7
8	0					0	21			3.5	5.9	8.2	8
9	0					0	21			3.2	6.2	8.2	9
10	0					0	21			4.5	6.2	8.2	10
11	0					0	22			5.1	6.2	8.2	11
12	0	N	N	N	N	0	22	N	N	5.1	6.2	12	12
13	0	O	O	O	O	0	22	O	O	4.4	5.9	12	13
14	0					0	22			4.4	6.2	9.8	14
15	0					0	22			4.4	6.2	9	15
16	0	F	F	F	F	3.8	22	F	F	4.4	6.2	7.6	16
17	0	L	L	L	L	4.8	22	L	L	3.7	6.2	4.3	17
18	0	O	O	O	O	4.8	22	O	O	2.9	6.2	3.2	18
19	0	W	W	W	W	4.4	22	W	W	4.5	6.2	3.5	19
20	0					4.1	9.2			6.2	7.4	3.2	20
21	0					4.1	00			6.2	8.2	3.2	21
22	0					3.8	00			6.2	8.2	3.2	22
23	0					0	0			5.9	8.2	3.2	23
24	0					0	0			5.9	8.2	3.2	24
25	0					0	0			6.2	8.2	3	25
26	0					0	0			6.2	8.2	2.9	26
27	0					3.9	0			6.2	8.2	2.9	27
28	0					5.9	0			6.2	8.2	2.9	28
29	0					5.5	0			6.2	8.2	2.9	29
30	0					5.1	0			6.2	8.2	1	30
31	0					5.1				5.9	8.2		31
MEAN	0.2					1.8	11.9			4.1	6.9	6.1	MEAN
MAX.	4.6						22			6.2	8.2	12	MAX.
MIN.	0					0	0			0	5.9	1	MIN.
AC. FT.	12					110	709			249	442	361	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
2.6	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	1863

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	OATE			FROM	TO		
36 05 00	119 04 50	SW20 21S 27E				MAY 50-DATE					
These flows are deliveries from Friant-Kern Canal into Porter Slough. Delivery is at the intersection of Porter Slough with the Friant-Kern Canal approximately 4 miles west of Porterville. Records furnished by U. S. Bureau of Reclamation.											

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03923	FRIANT-KERN CANAL DELIVERY TO TULE RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1						0	126			0	0	54	1
2						0	124			0	0	54	2
3						0	129			25	0	55	3
4						0	142			48	0	55	4
5						0	149			48	0	54	5
6						0	152			74	0	54	6
7						0	152			105	0	54	7
8						0	152			126	0	54	8
9						0	152			149	0	54	9
10						0	152			149	0	55	10
11						0	147			122	0	55	11
12	N	N	N	N	N	0	116	N	N	102	0	55	12
13	O	O	O	O	O	0	120	O	O	100	0	55	13
14						0	124			99	0	54	14
15						0	53			100	29	55	15
16	F	F	F	F	F	54	0	F	F	102	30	55	16
17	L	L	L	L	L	100	0	L	L	100	30	55	17
18	O	O	O	O	O	37	0	O	O	100	30	70	18
19	W	W	W	W	W	0	0	W	W	100	30	80	19
20						0	0			100	30	80	20
21						0	0			100	56	79	21
22						0	0			99	70	79	22
23						0	0			84	71	79	23
24						0	0			61	71	80	24
25						41	0			37	60	62	25
26						75	0			0	56	31	26
27						75	0			0	55	7.5	27
28						98	0			0	55	0	28
29						138	0			0	54	0	29
30						141	0			0	55	0	30
31						129				0	54		31
MEAN						28.6	66.3			68.7	27.0	52.5	MEAN
MAX.						141	152			149	71.0	80.0	MAX.
MIN.						0	0			0	0	0	MIN.
AC. FT.						1761	3947			4225	1658	3123	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 H - E AHD *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
20.3	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
						0		10	1	0000	14714

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 04 25	119 05 15	NW29 21S 27E									
						MAY 50-DATE					

These flows are deliveries from Friant-Kern Canal into Tule River. Point of delivery is located on the Tule River approximately 4 miles west of Porterville where Friant-Kern Canal crosses the Tule River. Records furnished by U. S. Bureau of Reclamation.

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C32100	NORTH FORK TULE RIVER AT SPRINGVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	1.0*	7.3										1
2	0.5	1.0	5.5a										2
3	0.7	1.2											3
4	0.6*	1.5											4
5	0.7	1.7	3893 a										5
6	0.8	2.3	24200 b										6
7	0.9	1.7	1701 a										7
8	1.0	2.7											8
9	0.7	2.0	377 a										9
10	0.8	1.5											10
11	0.7	1.0											11
12	0.7	0.7											12
13	0.6	0.7	163 a										13
14	0.5	0.6											14
15	0.4	0.6											15
16	0.4	0.6											16
17	0.5*	0.4											17
18	0.5	0.3											18
19	0.7	0.3											19
20	0.9	1.6											20
21	1.0	4.4											21
22	0.9	2.3											22
23	0.7	0.9											23
24	0.6	0.8											24
25	0.5	0.7											25
26	0.5	0.7											26
27	0.7	0.7											27
28	0.8	1.0											28
29	0.9	36	47 a										29
30	0.7	15											30
31	0.7												31
MEAN	0.7	2.9											MEAN
MAX.	1.0	36											MAX.
MIN.	0.3	0.3											MIN.
AC. FT.	41	170											AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
 # - E AND R
 a - RESULT OF DISCHARGE MEASUREMENT
 b - RESULT OF SLOPE-AREA MEASUREMENT

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	
24200E	21.15	12	6								

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M	OF RECDRD			DISCHARGE	GAGE HEIGHT DPLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FRDM	TO		
36 08 23	118 48 16	SE35 20S 29E	24200E	21.15	12-6-66	FEB 57-DEC 66		1957		0.00	LOCAL

Station located at State Highway 190 Bridge, 0.8 mile northeast of Springville. Drainage area is 97.6 square miles. Maximum discharge of record from slope-area measurement. Maximum stage obtained from high water marks at gage location. Altitude of gage is approximately 990 feet (from U. S. Geological Survey topographic map). This station was washed out during the high water of December 6, 1966, and was not replaced.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03169	TULE RIVER BELOW PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	564	185	177	111	403	215	200	163	177	1
2			0.0	552	167	208	111	387	215	200	192	174	2
3			0.0	552	133	240	108	387	215	215	204	160	3
4			0.0	552	126	227	123	398	212	212	232	163	4
5			0.0	546	120	200	133	261	219	212	252	167	5
6			1720 *	523	136	200	143	181	227	223	261	156	6
7			7740 *	517	167	215	146	181	236	212	215	146	7
8			4730	506	160	208	129	188	219	223	163	149	8
9			3410 *	402	146	200	117	219	181	219	153	219	9
10			3080	181	160	200	126	219	163	215	160	261	10
11			3400	156	163	200	129	219	160	176	163	236	11
12	N	N	2690	146	167	208	105	223	149	177	153	212	12
13	O	O	185	143	163	149	111	219	149	174	146	212	13
14			143	149	156	35	114	215	163	163	146	212	14
15			487	153	139	12	120	212	204	156	146	200	15
16	F	F	871	143	153	47	143	227	208	160	146	204	16
17	L	L	966	136	174	146	126	227	208	153	153	208	17
18	O	O	1110	133	185	129	153	274	212	143	160	227	18
19	W	W	1040	129	185	153	153	292	219	177	163	223	19
20			763 *	126	174	153	153	348	219 *	204	167	219	20
21			456	126	177	153	160	353	219	212	181	219	21
22			439	129	185	261	192	333	208	208	174	219	22
23			439 *	129	200	274	329	261	188	192	181	208	23
24			445	129	204	310	372	257	192	156	192	192	24
25			439	129	204	232	429	244	200	185	200	177	25
26			445	129	170	108	434	219	212	177	196	136	26
27			472	149	156	99	439	227	219	167	192	88	27
28			546	163	174	96	429	261	208	146	188	78	28
29			558 *	153	133	133	403	252	212	149	174	83	29
30			564	170	126	126	408	223	208	153	177	85	30
31			552	181	111	111	219	219	208	156	170	170	31
MEAN			1216	255	165	168	205	262	202	184	179	180	MEAN
MAX.			7740	564	204	310	439	403	236	223	261	261	MAX.
MIN.			0.0	126	120	12	105	181	149	143	146	78	MIN.
AC. FT.			74770	15660	9181	10340	12200	16120	12020	11340	11030	10730	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE	253	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
		8850	9.27	12	7	0645	0.0		10	1	0000	183400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 04 40	119 06 22	NW 30 21S 27E	8850	9.27	12-7-66	FEB 57-DATE		1957	1959	0.00	LOCAL
								1959		-3.48	LOCAL

Station located 330 feet upstream from Rockford Road Bridge, 5.1 miles west of Porterville. Flows regulated by Success Reservoir and spill from Friant-Kern Canal. Altitude of gage is approximately 400 feet (from U. S. Geological Survey topographic map). Flows include Central Valley Project releases from Friant-Kern Canal to Tule River. Records furnished by the Tule River Association and published as received.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03970	CAMPBELL-MORELAND DITCH ABOVE PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	25	17	11		0.0	16	12	14	20	1
2			0.0	25	16	11		0.0	14	12	14	20	2
3			0.0	25	16	3.4		0.0	13	12	14	19	3
4			0.0	25	16	0.0		0.0	13	12	14	19	4
5			0.0	25	16	0.0		0.0	13	12	14	20	5
6			17	25	16	6.0		0.0	12	12	14	20	6
7			27	24	16	14		0.0	12	13	14	19	7
8			30	24	16	14		0.0	12	12	14	19	8
9			31	23	16	17		0.0	18	12	14	19	9
10			29	23	16	19		0.0	20	13	14	19	10
11			28	24	16	19		0.0	18	13	14	18	11
12	N	N	24	24	16	19	N	0.0	18	13	14	19	12
13	O	O	16	25	16	20	O	0.0	18	13	14	19	13
14			19	26	13	19		0.0	17	13	15	19	14
15			24	26	12	20		0.0	18	14	15	19	15
16	F	F	27	26	11	16	F	4.5	18	14	14	20	16
17	L	L	26	27	11	17	L	7.5	18	14	19	19	17
18	O	O	26	26	11	18	O	7.2	14	16	20	19	18
19	W	W	26	24	11	14	W	11	13	16	20	19	19
20			24	24	11	12		13	12	6.8	20	13	20
21			24	24	11	13		13	13	13	20	13	21
22			24	24	11	11		13	12	16	21	12	22
23			26	24	11	12		12	12	14	21	11	23
24			26	20	11	15		13	12	15	21	11	24
25			26	14	11	14		16	12	15	20	11	25
26			26	18	10	13		16	12	15	20	11	26
27			26	21	11	3.7		16	12	15	20	12	27
28			24	19	11	0.0		16	12	14	20	12	28
29			23	17	0.0	0.0		16	12	14	20	12	29
30			25	17	0.0	0.0		18	12	14	20	12	30
31			26	17	0.0	0.0		19	12	14	20	12	31
MEAN			21.0	22.9	13.4	11.3		6.8	14.3	13.3	17.0	16.5	MEAN
MAX.			31.0	27.0	17.0	20.0		19.0	20.0	16.0	21.0	20.0	MAX.
MIN.			0.0	14.0	10.0	0.0		0.0	12.0	6.8	14.0	11.0	MIN.
AC. FT.			1289	1410	746	696		419	849	821	1047	982	AC. FT.

E - ESTIMATED
NR - NO RECORD
* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
- E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
11.4											8259

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 02 48	118 56 54	NW 4 22S 28E				AUG 42-DATE		OCT 62	0.00	LOCAL	
									-2.00	LOCAL	

Station located 3.9 miles southeast of Porterville approximately 2,600 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03182	PORTER SLOUGH AT PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	97	95	67	19	103	97	114	106	38	1
2			0.0	96	91	64	19	103	97	114	100	33	2
3			0.0	97	90	76	18	101	97	118	99	32	3
4			0.0	98	97	93	14	101	98	121	104	32 *	4
5			18	119	103	95	3.8	101	100	118	104	30	5
6			104	140	106	99	2.4	99	112	117	104	31	6
7			31	140	109	106	3.9	99	112	104	108	34	7
8			65	140	109	105	2.4	101	112	96	110	34	8
9			106	118	109	105	1.9	99	114	100	110	34	9
10			69	110	109	105	1.7	99	114	100 *	109	34	10
11			120	119	109	103	5.6	99	114	100	109	33 *	11
12	N	N	117	119	108	100	2.5	99	114	100	108	37	12
13	O	O	21	121	106	98	7.8	100	114 *	100	108	43	13
14			86	117	108	38	33	100	112	82	108 *	44	14
15			70	110	108	1.9	40	100	111	56	108	44	15
16	F	F	43 *	111	109	24	38	101	110	41	108	44	16
17	L	L	48	112	110	46	38	97	110	62	106	44	17
18	O	O	53	112	110	41	41	96	110	43 *	106	49	18
19	W	W	73	114	110	44	46	97	111	42	106	48 *	19
20			87	115	98	49	87	99	112 *	53	106	47	20
21			93	114	90	60	96	99	114	49	106	47	21
22			93	115	90	66	98	99	112	48	99	46	22
23			93	114	93	68	97	100	111	49	99	46	23
24			93	115	83	68	100	100	110	47 *	99	46	24
25			91	117	69	68	105	99	110	58	99	47 *	25
26			91	119	68	66	106	97	109	88	99	50	26
27			96	111	66	40	106	97	111 *	104	99	51	27
28			100	98	68	24	105	96	117	110	99 *	50	28
29			100	98		22	103	97	114	110	104	49	29
30			99	98 *		20	103	98	114	109	104	49	30
31			97	97		20		97		106 *	72		31
MEAN			69.6	113	97.2	63.9	48.1	99.1	110	85.8	103	41.5	MEAN
MAX.			120	140	110	106	106	103	117	121	110	51	MAX.
MIN.			0.0	96	66	1.9	1.7	96	97	41	72	30	MIN.
AC. FT.			4278	6944	5397	3931	2864	6095	6532	5274	6359	2471	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 H - E AND °

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
69.3	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
											50,150

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M	OF RECDRO			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 03 29	118 59 08	SE31 21S 28E				JAN 42-DATE			1957		0.00 LOCAL

Station located at "B" Lane Bridge, immediately east of Porterville. This is regulated diversion from Tule River. Altitude of gage is approximately 465 feet (from U. S. Geological Survey topographic map). Records furnished by the Tule River Association and reviewed by the Department of Water Resources.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03984	PORTER SLOUGH DITCH AT PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1						0.0	9.2	9.5	15	16	18	6.7	1
2						0.0	8.9	9.5	15	16	17	6.7	2
3						0.0	7.4	2.5	16	16	17	6.7	3
4						0.0	6.7	0.0	16	20	17	6.7 *	4
5						0.0	3.0	5.1	17	19	17	9.6	5
6						0.0	0.6	9.0	11	18	18	11	6
7						0.0	0.0	9.3	11	18	14	11	7
8						0.0	0.0	9.1	11	17	15	11	8
9						0.0	0.0	8.9	11	15	15	11	9
10						0.0	0.0	9.0	11	15	15	11	10
11						0.0	0.0	9.3	11	15	16	11	11
12	N	N	N	N	N	0.0	0.0	9.3	12	15	15	11	12
13	O	O	O	O	O	0.0	0.0	9.4	12	14	15	12	13
14						0.0	0.0	9.4	12	16	16	12	14
15						0.0	0.0	9.5 *	12	18	14	12	15
16	F	F	F	F	F	0.0	0.0	11	11	14	14	12	16
17	L	L	L	L	L	0.0	0.0	10	12	14	14	12	17
18	O	O	O	O	O	0.0	0.0	12	12	15	14	14	18
19	W	W	W	W	W	0.0	0.0	14	12 *	13	14	14	19
20						0.0	4.4	14	11	15	14	13	20
21						4.1	9.4	13	11	14	14	13	21
22						8.3	8.8	13 *	11	13	19	13	22
23						8.4	9.2	15	11	12	18	13	23
24						8.4	9.5	15	11	12 *	18	14	24
25						8.2	9.7 *	13	11	11	17	14	25
26						8.1	9.7	14	12	14	17	14	26
27						8.1	9.7	14	14 *	15	17	13	27
28						7.9	9.7	14	15	13	16 *	13	28
29						7.3	9.5	14 *	15	14	15	13	29
30						7.3	9.6	14	15	18	15	13	30
31						10		15		18 *	11		31
MEAN						2.8	4.5	10.8	12.6	15.3	15.7	11.6	MEAN
MAX.						10	9.7	15	15	20	19	14	MAX.
MIN.						0.0	0.0	0.0	11	11	11	6.7	MIN.
AC. FT.						171	268	662	748	938	964	689	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE
6.1

MAXIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME

MINIMUM				
DISCHARGE	GAGE HT.	MO.	DAY	TIME

TOTAL ACRE FEET
4440

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECDRD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
36 04 06	119 01 06	SE 26 21S 27E				JAN 43-DATE		1943		0.00	LOCAL

Station located in Porterville 0.5 mile west of Porterville Post Office, approximately 150 feet downstream from head. This is regulated diversion from Tule River via Porter Slough. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03965	VANDALIA DITCH NEAR PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	5.7	0.6	0.7	0.0	5.5	6.1	2.4	3.8	3.1	1
2			0.0	4.0	0.6	0.7	0.0	5.0	6.1	2.4	3.9	3.1	2
3			0.0	0.4	0.7	0.7	0.0	5.0	6.2	2.4	3.9	3.3	3
4			0.0	0.0	0.7	0.6	0.0	5.0	5.1	2.4	3.9	3.4*	4
5			0.0	0.0	0.7	0.6	0.0	4.5	2.5	2.2	3.9	3.5	5
6			0.6	0.0	0.8	0.7	0.0	4.5	4.1	2.2	3.9	3.3	6
7			2.0	0.0	0.8	0.7	0.0	4.4	4.6	2.1	3.9	3.3	7
8			0.4	0.0	0.9	0.7	0.0	4.3*	4.5	1.8	3.9	3.3	8
9			0.0	0.0	0.9	0.6	0.0	5.0	4.3	1.6	3.9	3.3	9
10			0.0	2.1	0.8	0.6	0.0	5.1	4.3	1.6*	3.9	3.3	10
11			0.0	4.0	0.8	0.6	0.0	5.1	4.3	3.5	3.9	3.3*	11
12	N	N	0.0	5.0	0.8	0.6	0.0	5.1	4.4*	3.3	3.9	3.6	12
13	O	O	0.6	5.0	0.8	3.8	0.0	5.1	4.5	3.1	3.9	3.6	13
14			5.0	3.0	0.8	5.1	3.6	5.0	4.6	3.0	4.0*	3.5	14
15			5.0	0.6	0.7	5.0	6.1	5.1*	4.6	2.8	3.6	3.5	15
16	F	F	4.9	0.6	0.7	5.0	6.3	2.3	4.8	2.8	3.6	3.4	16
17	L	L	5.3	0.6	0.7	5.3	5.6	0.0	4.9	2.7*	3.6	3.3	17
18	O	O	5.2	0.6	0.7	5.5	5.6	0.0	5.0	3.4	3.7	3.1	18
19	W	W	5.0	0.6	0.6	5.6	5.7	0.0	5.0*	2.9	3.8	3.6*	19
20			4.8	0.6	0.6	5.5	6.0	0.0	3.0	2.2	3.9	3.5	20
21			5.0	0.6	0.7	6.0	6.0	0.0	3.0	3.0	4.0*	3.3	21
22			5.5	0.6	0.7	6.3	6.3	0.0	2.5	4.3	3.4	3.3	22
23			5.5	0.6	0.6	6.5	6.0	0.0	2.1	4.3	3.5	3.1	23
24			5.5	0.6	0.6	6.5	6.0	0.0	2.2*	4.6*	3.6	3.0	24
25			5.5	0.6	0.7	5.8	5.8*	0.0	2.2	4.8	3.6	3.0*	25
26			5.5	0.6	0.6	5.5	5.6	0.0	2.3	4.8	3.7	2.9	26
27			5.7	0.6	0.6	1.7	5.6	3.6	2.3	4.8	3.7	2.8	27
28			5.8	0.6	0.7	0.0	5.6	6.1	2.3	4.8	3.8*	2.8	28
29			5.8	0.6	0.0	0.0	5.5	6.1*	2.3	4.8	3.0	2.7	29
30			5.8	0.6	0.0	0.0	5.5	6.1	2.4	4.3	3.1	2.7	30
31			5.7	0.6	0.0	0.0	6.1	6.1	2.4	4.3*	3.1	2.7	31
MEAN			3.2	1.3	0.7	2.8	3.2	3.4	3.9	3.2	3.7	3.2	MEAN
MAX.			5.8	5.7	0.9	6.5	6.3	6.1	6.2	4.8	4.0	3.6	MAX.
MIN.			0.0	0.0	0.6	0.0	0.0	0.0	2.1	1.6	3.0	2.7	MIN.
AC. FT.			198	78	39	172	192	206	231	198	229	192	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E.A.H.D.*

MEAN DISCHARGE 2.4	MAXIMUM					MINIMUM					TOTAL ACRE FEET 1736
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 03 00	118 58 18	NE 5 22S 28E				1948-DATE		1948		0.00	LOCAL

Station located 2.8 miles southeast of Porterville approximately 1,000 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03960	POPLAR DITCH NEAR PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	12	71	82	0.0	77	98	77	98	77	1
2			0.0	11	68	87	0.0	76	98	74	99	76	2
3			0.0	13	67	84	0.0	75	98	48	99	76	3
4			0.0	17	74	82	0.0	74	100	48	90	75 *	4
5			0.0	19	80	84	0.0	68	103	50	87	74	5
6			41	22	81	86	0.0	67	84	47	87	73	6
7			62	24	82	85	0.0	67	81	44	87	72	7
8			58	24	82	84	0.0	72 *	82	45	89	73	8
9			80	23	79	88	0.0	88	84	42	90	73	9
10			89	20	77	91	0.0	96	86	34 *	90	72	10
11			96	15	77	88	0.0	96	87	30	90	72 *	11
12	N	N	73	18	77	87	0.0	96	87 *	30	87	69	12
13	O	O	8.5	21	77	78	5.0	96	88	36	86	68	13
14			100	24	69	31	9.8	96	90	36	86 *	67	14
15			96	27	66	7.2	8.7	96	89	36	87	65	15
16	F	F	96	41	67	9.2	8.7	101	88	37	87	65	16
17	L	L	98	53	68	11	8.7	103	88	47 *	86	65	17
18	O	O	97	57	68	9.8	8.8	103	89	47	85	65	18
19	W	W	97	83	67	9.0	17	108	90 *	46	85	68 *	19
20			72	79	73	19	36	109 *	85	44	84	68	20
21			34	47	67	68	43	109	84	43	90 *	65	21
22			31	47	72	90	41	108	84	43	90	59	22
23			28	55	74	93	58	103	84	42	86	64	23
24			23	59	74	92	72	103	82 *	40 *	80	67	24
25			20	75	70	88	82 *	101	82	49	77	67 *	25
26			23	86	70	84	81	98	78	54	81	66	26
27			25	91	70	30	79	95	76	90	78	66	27
28			24	96	75	0.0	76	93	75	105	76 *	66	28
29			19	97	0.0	0.0	76	92 *	75	106	77	66	29
30			14	96	0.0	0.0	77	95	76	106	75	66	30
31			12	87	0.0	0.0	97	97	97	98 *	77	66	31
MEAN			45.7	46.4	72.9	56.4	26.3	92.2	86.4	54.0	86.0	68.8	MEAN
MAX.			100	97.0	82.0	93.0	82.0	109	103	106	99.0	77.0	MAX.
MIN.			0.0	11.0	66.0	0.0	0.0	67.0	75.0	30.0	75.0	59.0	MIN.
AC. FT.			2810	2854	4050	3466	1562	5669	5139	3320	5288	4096	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
52.8	DISCHARGE	GAGE HT	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	38250

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECDRD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	OATE			FROM	TO			
36 03 18	119 00 54	SW36 21S 27E				APR 42-DATE			1942		0.00	LOCAL

Station located 1.0 mile south of Porterville approximately 4,750 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03925	HUBBS-MINER DITCH AT PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0		0.0	0.0	1.3	5.3	7.2	10.3	7.4	16.8	1
2			0.0		0.0	0.0	0.0	7.4	8.1	11.1	5.2	16.6	2
3			0.0		0.0	0.0	0.0	7.4	6.6	8.5	4.5	16.8	3
4			0.0		0.0	0.0	0.0	7.4	5.5	6.1	4.5	8.1	4
5			0.0		0.0	0.0	0.0	6.4	1.8	6.6	4.4	5.6	5
6			29.3		0.0	0.0	0.0	8.7	4.7	11.7	4.3	5.5	6
7			17.9		0.0	0.0	0.0	9.2	5.9	15.0	5.9	5.4	7
8			0.0		0.0	0.0	0.0	10.9	5.9	9.3	7.1	5.4	8
9			0.0		0.0	0.0	0.0	6.4	5.9	0.0	10.9	5.4	9
10			0.0		0.0	0.0	0.0	5.7	6.4	4.9	9.6	5.3	10
11			0.0		0.0	0.0	0.0	5.3	7.6	6.4	9.0	11.3	11
12	N	N	0.0	N	0.0	0.0	0.0	5.3	6.8	12.5	10.7	11.5	12
13	O	O	0.0	O	0.0	5.2	2.0	5.7	9.6	14.1	14.2	10.9	13
14			0.0		0.0	5.9	5.7	5.9	7.4	5.3	5.5	9.6	14
15			0.0		0.0	6.8	5.9	8.3	9.4	12.7	7.0	6.6	15
16	F	F	0.0	F	0.0	8.7	5.5	11.1	14.3	21.4	11.3	6.1	16
17	L	L	0.0	L	0.0	8.9	5.0	13.3	12.5	16.1	12.5	6.1	17
18	O	O	0.0	O	0.0	10.1	5.0	15.9	10.9	22.5	12.5	7.4	18
19	W	W	0.0	W	0.0	10.9	5.2	13.5	8.7	26.0	12.3	6.4	19
20			0.0		1.9	7.7	8.0	10.3	12.5	25.5	12.1	6.3	20
21			0.0		8.1	6.6	8.7	10.1	17.8	22.2	7.2	6.1	21
22			0.0		10.1	7.2	10.1	18.5	16.8	14.1	6.3	6.1	22
23			0.0		7.2	7.0	9.0	28.1	14.8	9.8	5.9	4.0	23
24			0.0		1.8	5.7	5.9	20.3	9.6	9.0	6.3	2.7	24
25			0.0		0.0	2.7	5.7	16.3	7.7	18.8	10.7	3.7	25
26			0.0		0.0	0.0	5.9	11.7	7.4	22.5	11.3	2.0	26
27			0.0		0.0	3.1	5.5	6.8	7.6	20.6	7.4	1.0	27
28			0.0		0.0	7.9	5.0	6.6	7.2	19.3	7.4	3.0	28
29			0.0		6.1	4.8	4.8	6.8	6.8	18.5	7.0	3.7	29
30			0.0		5.3	4.8	4.8	5.9	6.4	18.5	6.4	3.7	30
31			0.0		5.3			5.5		13.3	13.5		31
MEAN			1.5		1.0	3.9	3.6	9.9	8.7	14.0	8.4	7.0	MEAN
MAX.			29.3		10.1	10.9	10.1	28.1	17.8	26.0	14.2	16.8	MAX.
MIN.			0.0		0.0	0.0	0.0	5.3	1.8	0.0	4.3	1.0	MIN.
AC.FT.			93.6		57.7	240.2	216.2	607.0	515.3	858.1	516.3	414.7	AC.FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE 4.9	MAXIMUM					MINIMUM					TOTAL ACRE FEET 3519
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 03 27	119 02 02	NW35 21S 27E				DEC 42-DATE		1942		0.00	LOCAL

Station located 1.1 miles southwest of Porterville, approximately 3,400 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and published as received.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03940	RHODES-FINE DITCH NEAR PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

NO FLOW

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR
 OBSERVATION OF NO FLOW
 H - E AND *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
0.0	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	0

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 03 26	119 04 13	SE32 21S 27E				DEC 42-DATE		1942		0.00	LOCAL
Station located 3.1 miles southwest of Porterville, approximately 3,100 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources.											

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C03948	WOODS-CENTRAL DITCH NEAR PORTERVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	38	38	111	0.0	97	97	0.0	186	156	1
2			0.0	37	30	109	0.0	100	97	0.0	186	152	2
3			0.0	42	29	108	0.0	101	97	0.0	183	150	3
4			0.0	43	32	113	0.0	100	95	0.0	184	150	4
5			0.0	43	33	115	0.0	78	89	0.0	178	152	5
6			20	39	35	118	0.0	81	87	0.0	179	151	6
7			72	39	41	118	0.0	74	81	0.0	178	141	7
8			50	40	36	120	0.0	82	85	0.0	185	136	8
9			45	37	38	130	0.0	73	85	0.0	188	40	9
10			60	36	41	129	0.0	87	84	0.0	191	0.0	10
11			62	42	41	130	0.0	90	88	0.0	188	0.0	11
12	N	N	53	42	46	123	0.0	91	103	0.0	184	0.0	12
13	O	O	15	41	48	49	0.0	91	105	0.0	182	0.0	13
14			57	41	48	0.0	0.0	96	110	0.0	182	0.0	14
15			60	40	50	0.0	0.0	102	114	0.0	182	0.0	15
16	F	F	62	44	54	0.0	0.0	108	122	0.0	186	0.0	16
17	L	L	58	47	57	0.0	2.9	115	124	0.0	181	0.0	17
18	O	O	66	50	57	0.0	4.6	136	125	0.0	175	0.0	18
19	W	W	66	52	56	0.0	20	146	129	0.0	174	0.0	19
20			53	54	57	0.0	40	146	105	0.0	174	0.0	20
21			37	66	61	48	42	144	106	0.0	171	0.0	21
22			43	65	64	82	32	147	104	0.0	166	0.0	22
23			40	64	69	90	47	138	55	0.0	168	0.0	23
24			40	46	70	84	77	140	25	93	169	0.0	24
25			40	47	71	35	94	140	25	179	167	0.0	25
26			38	48	75	0.0	100	139	28	187	166	0.0	26
27			39	55	84	0.0	106	124	7.9	187	165	0.0	27
28			41	60	97	0.0	106	107	0.0	188	161	0.0	28
29			40	61	0.0	0.0	98	103	0.0	188	155	0.0	29
30			38	57	0.0	0.0	99	102	0.0	189	155	0.0	30
31			38	50	0.0	0.0	0.0	98	0.0	187	158	0.0	31
MEAN			39.8	47.3	52.1	58.5	29.0	109	79.1	45.1	176	40.9	MEAN
MAX.			72.0	66.0	97.0	130	106	147	129	189	191	156	MAX.
MIN.			0.0	36.0	29.0	0.0	0.0	73.0	0.0	0.0	155	0.0	MIN.
AC. FT.			2446	2908	2892	3594	1723	6696	4707	2773	10800	2436	AC. FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
56.6	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
											40980

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LDNGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE NT.	DATE			FROM	TO			
36 04 18	119 05 48	SE30 21S 27E				DEC 42-DATE			1942		0.00	LOCAL

Station located 4.5 miles west of Porterville, approximately 100 feet downstream from head. This is regulated diversion from Tule River. This station is operated under cooperative agreement between the Department of Water Resources and the Tule River Association. Records furnished by the Tule River Association and reviewed by the Department of Water Resources. This station was in a backwater condition during part of the year due to CVP water being delivered to Woods-Central Ditch. Due to a lack of data necessary to determine the extent of the backwater condition, the daily flows were accepted as received from the Tule River Association.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C05151	KERN RIVER NEAR BAKERSFIELD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	330	251	440	2726	528	1125	910	2281	3350	2881	3090	3042	1
2	306	243	408	2755	500	1128	897	2350	3277	2906	3152	2927	2
3	320	211	427	2889	475	1091	886	2435	3199	2940	3255	2645	3
4	324	224	476	3294	485	1041	845	2473	3233	2151	3301	2839	4
5	285	227	951	3287	500	1026	844	2501	3259	2353	3459	2874	5
6	281	227	4786	3277	475	1065	853	2608	3260	2916	3456	2902	6
7	277	224	1153	3301	462	1049	851	2742	3277	3039	3414	2891	7
8	244	249	668	3331	462	1056	850	2875	3301	3046	3435	2828	8
9	237	247	503	3156	462	1054	845	3214	3158	2986	3408	2789	9
10	242	216	487	2705	462	1023	875	3073	2919	2939	3826	2770	10
11	235	217	494	2640	462	1007	899	3243	2948	2998	4011	2648	11
12	263	222	493	2584	462	1014	881	3191	2875	3013	3914	2463	12
13	284	222	501	2534	462	1012	911	3159	2665	3028	4171	2403	13
14	273	212	566	2415	462	977	1038	3134	2537	3030	4280	2318	14
15	232	209	585	2366	462	1027	1161	3096	2507	2977	4236	2232	15
16	236	210	585	2366	464	1009	1249	3170	2751	2933	4302	2225	16
17	225	223	600	2380	649	913	1342	3230	3872	2916	4489	2223	17
18	220	226	1279	2370	912	850	1589	3157	3757	3038	4542	2234	18
19	208	232	1286	2223	950	828	1780	3143	3760	3044	4585	2222	19
20	185	243	1283	2149	1003	818	1821	3445	3851	2563	4585	2223	20
21	168	469	1337	2151	1047	830	1927	3409	4132	3362	4577	2223	21
22	172	392	1561	1965	1096	833	1953	3461	4542	3336	4629	2192	22
23	177	309	1825	1729	1187	819	1961	3510	4458	3324	4685	2149	23
24	178	279	2076	1785	1260	784	1962	3530	4362	3206	4694	2124	24
25	171	245	2075	1745	1226	793	1988	3436	4444	3098	4348	2128	25
26	173	241	2152	1793	1208	775	2054	3313	4530	3104	3848	2128	26
27	184	223	2383	1788	1178	827	2096	3325	2879	3105	3898	2112	27
28	237	233	2538	1810	1126	834	2094	3340	2610	3086	3843	2206	28
29	255	345	2491	1463		862	2131	3352	2677	3086	3366	2411	29
30	254	425	2447	1372		849	2218	3354	2818	3076	3096	2294	30
31	255		2711	1350		884		3367		3068	3183		31
MEAN	240	257	1341	2377	729	942	1390	3094	3374	2985	3906	2462	MEAN
MAX.	330	469	4786	3331	1260	1128	2218	3530	4542	3362	4694	3042	MAX.
MIN.	168	209	408	1350	462	775	844	2281	2507	2151	3090	2112	MIN.
AC. FT.	14739	15265	82447	146180	40516	57923	82732	190249	200743	183566	240154	146509	AC FT.

E - ESTIMATED
 NR - NO RECORD
 * - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # - E AND *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
1935		9289		12			161		11			1401000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
35 25 9	118 56 8	SW 2 29S 28E	36000	14.2	11-19-50	93-DATE					

Also known as "Kern River at First Point". Station located 5.8 miles northeast of Bakersfield. Tabulated discharge is the regulated flow and is computed from noon to noon beginning at noon of day shown. Records furnished by Kern County Land Company. Drainage area is 2,407 square miles.

TABLE B-4 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	C07120	BUENA VISTA CREEK NEAR TAFT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

INSUFFICIENT DATA TO PUBLISH DAILY FLOWS

E — ESTIMATED
 NR — NO RECORD
 * — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
 # — E AND *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
	1.96		4	7	1310	0.0		10	1	0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FRDM	TO			
35 12 21	119 24 35	NW28 31S 24E		2.9	8-14-65			NOV 64-DATE	1964		0.00	LOCAL

Station located at State Highway 119 bridge immediately southwest of Valley Acres, 5.7 miles northeast of Taft. Tributary to Buena Vista Lake. Recorder installed 11-10-64. Altitude of gage is approximately 425 feet (from topographic map).

TABLE B-5
STREAMFLOW MEASUREMENTS
AT MISCELLANEOUS LOCATIONS

TABLE B-5

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS LOCATIONS

Measurements of streamflow at points other than gaging stations or at points where flow has not been computed are listed in the following table.

Stream	Tributary to	Location	Date	Gage Height (feet)	Discharge (cfs)
Alamitos Drain near Firebaugh (a)	Central California I. D. Main Canal	SW $\frac{1}{4}$, Sec 25, T12S, R13E	8-22-67	3.67	12.2
			9- 7-67	1.99	5.87
			9-19-67	0.57	0.80
			10- 3-67	0.52	1.66
Ash Slough at Eastside Bypass (b) (c)	San Joaquin River via Eastside Bypass	SE $\frac{1}{4}$, Sec 22, T10S, R14E	12- 8-66	0.90	367
			12-12-66	0.25	30.3
			1-25-67	1.34	685
			1-26-67	1.12	495
			1-30-67	1.65	906
			3-14-67	1.11	535
			3-17-67	2.26	1630
			6- 7-67	0.16	21.9
Bear Creek at Eastside Bypass (a)	San Joaquin River via Eastside Bypass	NW $\frac{1}{4}$, Sec 12, T 8S, R11E	12- 8-66	87.92	427
			12-12-66	86.56	34.8
			1-30-67	87.50	322
Berenda Slough at Avenue 18 $\frac{1}{2}$ (b)	San Joaquin River via Eastside Bypass	SW $\frac{1}{4}$, Sec 34, T10S, R15E	3-14-67	3.32	568
Berenda Slough (Road 9) at Eastside Bypass (a)	San Joaquin River via Eastside Bypass	SW $\frac{1}{4}$, Sec 6, T11S, R15E	12- 6-66	151.7	1090
			12- 7-66	150.1	903
			1-31-67	150.95	890
			3-14-67	150.02	343
			3-16-67	149.56	96.5
			3-17-67	151.28	1080
			4-13-67	149.67	172
4-19-67	151.39	1180			
Chowchilla Bypass (Avenue 14) above Fresno River (a)	San Joaquin River	NE $\frac{1}{4}$, Sec 29, T11S, R15E	2- 3-67	3.40	1050
			2- 3-67	3.56	1120
			2- 3-67	3.07	896
			2- 3-67	2.85	761
			2- 4-67	4.37	1740
			2- 5-67	4.92	2120
			3-16-67	0.48	0.05E
			4-10-67	1.37	118
			4-13-67	0.90	30.2
			4-17-67	3.96	1340
Chowchilla Bypass below San Joaquin River (Floatwell #4) (b) (c)	San Joaquin River	NE $\frac{1}{4}$, Sec 25, T13S, R15E	2- 3-67	165.99	1540
			2- 4-67	166.85	2040
			2- 5-67	166.80	1880
			2- 7-67	166.50	1620
			2- 8-67	165.87	1240
			4-17-67	166.47	1860
			4-18-67	168.19	2760
			4-19-67	168.25	2860
			4-20-67	169.42	3830
			4-21-67	169.91	4940
			4-21-67	170.26	5670
			5- 2-67	170.39	5360
			5- 2-67	170.39	5300
			5- 4-67	170.67	5490
			5- 4-67	170.66	5660
			5- 9-67	170.79	5870
			5-13-67	171.04	6710
			5-15-67	171.12	7120
			5-16-67	171.24	7840
			6- 9-67	171.30	6210
6-20-67	168.77	2810			
6-28-67	164.54	292			
Deer Creek at Terra Bella Irrigation District (b)	Tulare Lake	SE $\frac{1}{4}$, Sec 10, T23S, R29E	12- 5-66	634.62	712
Eastside Bypass at Washington Road (a)	San Joaquin River	NW $\frac{1}{4}$, Sec 33, T 9S, R13E	12- 8-66	108.53	1510
			12-12-66	106.40	59.8
			2- 1-67	109.28	2170
			2- 6-67	109.60	2680
			2- 7-67	109.34	2670
			2- 8-67	108.76	1930
			2-10-67	107.20	329
			3-14-67	108.72	1540

TABLE B-5 (Cont.)

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS LOCATIONS

Measurements of streamflow at points other than gaging stations or at points where flow has not been computed are listed in the following table.

Stream	Tributary to	Location	Date	Gage Height (feet)	Discharge (cfs)
Eastside Bypass (Road 9) below Fresno River (a)	San Joaquin River	NW $\frac{1}{4}$, Sec 18, T11S, R15E	12- 7-66	148.70	1300
			12- 8-66	147.97	475
			12-12-66	147.16	8.97
			1-26-67	147.80	324
			1-30-67	147.42	108
			1-31-67	148.12	599
			2- 3-67	148.44	1170
			2- 3-67	148.62	1330
			2- 4-67	148.96	1890
			2- 5-67	149.13	2170
			3-14-67	148.04	591
			3-15-67	147.93	501
			4-13-67	148.10	750
			4-20-67	150.20	4910
			4-24-67	150.46	5780
			5- 4-67	150.65	6250
			5-15-67	151.10	7690
6- 7-67	150.47	5530			
Elk Bayou near Tulare (b)	Tule River	SW $\frac{1}{4}$, Sec 2, T21S, R24E	12- 9-66	2.90	551
Mariposa Bypass near Crane Ranch (a)	San Joaquin River via Eastside Bypass	NW $\frac{1}{4}$, Sec 31, T 8S, R11E	12- 8-66	92.40	2240
			12-12-66	89.09	357
			1-31-67		1270
			2- 1-67	92.26	2190
			2- 6-67	93.15	3110
			2- 7-67	93.35	3230
			2- 8-67	92.88	2840
			2-10-67	90.30	1010
			3-15-67		1550
			4- 4-67	89.39	562
			4-14-67	91.52	1560
			4-20-67	95.72	6770
			4-20-67	95.76	6800
			4-21-67	95.94	7230
5- 1-67	95.42	6360			
5-25-67	94.29	4490			
6- 8-67	94.82	5470			
6-29-67	89.81	1050			
Mustang Creek near Ballico (b)	High Line Canal	NW $\frac{1}{4}$, Sec 16, T 5S, R12E	1-24-67	3.29	13.4
			1-25-67	4.50	18.6
			4-18-67	1.34	1.69
Mustang Creek at East Avenue (a)	High Line Canal	NW $\frac{1}{4}$, Sec 20, T 5S, R12E	1-25-67		11.8
Owens Creek at Eastside Bypass (a)	San Joaquin River via Eastside Bypass	SW $\frac{1}{4}$, Sec 19, T 8S, R12E	12- 7-66	86.42	219
			12-12-66	84.03	4.91
San Joaquin River below Chowchilla Bypass (floatwell #3) (b) (c)		NE $\frac{1}{4}$, Sec 25, T13S, R15E	2- 3-67	169.50	2380
			2- 3-67	169.15	1960
			2- 4-67	169.00	1870
			2- 5-67	169.40	2230
			2- 6-67	168.45	1380
			2- 7-67	167.85	1060
			2- 8-67	167.38	766
			4-22-67	169.96	2760
			5-13-67	167.79	1100
			6- 9-67	168.42	1570
			6-20-67	169.51	2460
6-28-67	169.78	2540			

a Staff gage only.

b Recording Gage.

c Daily mean discharges are available.

E Estimated

TABLE B-6

DIVERSIONS

Monthly and annual acre-feet of water diverted are shown in this Table for the San Joaquin, Stanislaus, Tuolumne, Merced, and Tule Rivers, and Dry Creek, a tributary to the Tuolumne River, for the 1967 water year. Diversion points which divert less than 200 acre-feet annually based on a three-year average are discontinued from the program. This allows for collection and publication of approximately 95 percent of the water diverted for use by measuring and collection of record on about 50 percent of the total diversion points.

Monthly diversion values have been rounded off as follows:

1. Individual diversions - acre-feet

0.0	- 999	nearest	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

2. Total monthly diversion - cubic feet per second

All values to nearest unit.

3. Monthly use in percent

All values to nearest tenth.

Data received from outside agencies are published as received and are not rounded to the criteria used by the Department of Water Resources.

TABLE 8-6

DIVERSIONS - SAN JOAQUIN RIVER
(Vernalis to Fremont Ford Bridge)
October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.	
--DURHAM FERRY BRIDGE--	76.7															
--GAGING STATION - SAN JOAQUIN RIVER NEAR VERNALIS--	76.7															
Moresco Brothers	78.9 R	1-14 1-24								275	428	236	224	658	147	1968
Cruze, Amoral and Gillmeister a	79.4 R	1-20										25				25
--STANISLAUS RIVER--	79.7 R															
Faith Ranch	79.8 R	1-16	138									87	90	125		440
W. C. Blewett Estate	80.7 L	1-12									329		55	339	104	827
W. C. Blewett Estate	81.8 L	2-12 1-14								859	444	448	690	1060	644	4145
--GAGING STATION - SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE--	81.85															
Blewett Mutual Water Company	81.95L	1-10 2-12 1-14	194					167	62	1150	1110	1030	1590	554		5857
El Solyo Water District	82.0 L	1-10 1-16 3-18	130					96	786	2700	1930	3020	2930	1200		12790
--HETCH HETCHY AQUEDUCT CROSSING--	82.65															
El Solyo Ranch	82.9 L	1-16	22										63	179		264
El Solyo Ranch	83.5 L	1-12	109											46		155
El Solyo Ranch	83.7 L	1-12							69				168	182		419
Faith Ranch	84.4 R	1-16 1-20	952					144	218	209	308	477	665	927		3900
--GAGING STATION - SAN JOAQUIN RIVER AT CALDWELL--	90.95															
--TUOLUMNE RIVER--	91.0 R															
--WEST STANISLAUS IRRIGATION DISTRICT INTAKE CANAL--	91.8 L															
West Stanislaus Irrigation District	91.8 L	1-12 1-24 6-26	1410	164		418	69	1800	998	11200	11900	12300	11000	5170		56430
Fred Lara #1	* (0.6S)	1-14						1	34	95	22	120	159	137		568
E. E. Hagemann Ranch #1	* (0.7N)	3-16	163							272	206	270	133	522		1566
E. E. Hagemann Ranch #2	* (1.1N)	1-14 1-16	129						114	486	430	560	438	135		2292
Fred Lara #2	* (2.2S)	1-16								15		18	9	8		50
E. E. Hagemann Ranch #3	* (2.3N)	2-16	2							192	208	92	305	232		1031
John and Robert Bogetti b	93.1 R	1-12 1-14					107	224				173	596	378	c	1478
T. C. Daily	94.1 L	1- 3 1- 6	1	12												13
Rancho Dos Rios	94.7 R	1-12	96	10	4	4	40	18		34	46	136	285	246		919
E. L. Brazil	95.5 R	1-16	55			2		79		245	168	178	284	211		1222
Island Dairy	96.0 L	1-18	106					125	28		46	135	297	662	c	1399
--LAIRD SLOUGH BRIDGE--	96.05															
Rancho El Pescadero	98.9 L	1-18	46							35	237	240	275	321		1154
Patterson Water District	104.4 L	1-14 2-18 3-20 1-36								6220	6590	6750	9540	5180		34280
Chase Brothers	104.5 R	1-18	224	11				77		183	335	440	480	552		2302
--PATTERSON BRIDGE--	104.6															
Chase Brothers	106.5 R	1-12						91	20	90	301		265	249		1016
Tony Spinelli	109.1 R	1-12	27							23	25	46	78	107		306
Twin Oaks Irrigation Company	109.8 L	1-12 2-16 1-18	308					236		849	991	1230	1360	892	c	5866
T. J. Henderson	110.8 R	1- 8	29										4	9		42
L. A. Thompson	112.55R	1-18	65	55						152	156	163	210	34		835
D. R. Lemos	113.4 R	1-12	29	7	16	1	13				65	219	194	51		595
--GAGING STATION - SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE--	113.4															
D. R. Lemos	114.63R	1- 8	8								25	46	48	36		163
Arnold and Ben Souza	114.75R	2-10	133	5				45		100	122	317	284	222		1228

TABLE B-6 (Cont.)

DIVERSIONS - SAN JOAQUIN RIVER
(Vernalis to Fremont Ford Bridge)
October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--ORESTIMBA CREEK--	115.2 L																
Roy F. Crow	115.8 L	1-10	124								106	198	244	138	249		1059
L. B. Crow	116.05L	1-14	103	28							150	196	196	202	159		1034
John W. Greer	116.15R	1- 8	56												64	51	171
John W. Greer	116.5 R	1-12	138								80	47	227	225	196		913
Manuel A. Serpa	121.3 R	1-18									38	275	402	387	246		1348
--MERCED RIVER SLOUGH--	122.2 R																
Stevinson Corporation d	122.6 L	1-16													70	26	96
--GAGING STATION - SAN JOAQUIN RIVER NEAR NEWMAN--	123.7																
--MERCED RIVER--	123.75R																
Stevinson Corporation	129.1 R	1-16	148								385	316	543	386	232		2010
--GAGING STATION - SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE--	129.5																
<u>VERNALIS TO FREMONT FORD BRIDGE</u>																	
Total			4945	292	20	425	229	3103	3463	26210	26940	30650	35280	20620			152200
Average cubic feet per second			80	5	0	7	4	50	58	426	453	498	574	347			210
Monthly use in percent of seasonal			3.3	0.2	0	0.3	0.2	2.0	2.3	17.2	17.7	20.1	23.2	13.5			

* West Stanislaus Irrigation District Canal Intake Canal joins the San Joaquin River at mile 91.8L. Distance from the river and bank location of diversion are shown in parentheses.
a Previously published as Cruze, Trudel and Gillmeister.

b Previously published as J. V. Steenstrup Estate.
c Includes an undetermined amount of water returned to river by spill.
d New installation in 1967.

TABLE B-6 (Cont.)
 DIVERSIONS - SAN JOAQUIN RIVER
 (Fremont Ford Bridge to Gravelly Ford)
 October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE- FEET				
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.		
--GAGING STATION - SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE--	129.5																
--GAGING STATION - SAN JOAQUIN RIVER NEAR DOS PALOS--	186.0																
San Luis Canal Company	186.6 L	Gravity	8047	4943	2458	271	4847	11661	5849	23145	29336	30857	26202	17958			165574
--FIREBAUGH BRIDGE--	198.4																
--GAGING STATION - SAN JOAQUIN RIVER NEAR MENDOTA--																	
--MENDOTA OAM--	208.63																
Central California Irrigation District	208.8 L	Gravity	20279	8037	220	2799	10607	41812	19918	84834	99479	a97257	a80043	40123	b		505408
--FRESNO SLOUGH--	c 209.0 L																
--DELTA-MENDOTA CANAL--	(0.2L)																
Firebaugh Canal Company	c (0.4L)		1932	351		123	1940	6696	547	12121	14037	8650	5978	4903	d		57278
M. Jensen																	
M. L. Dudley	c (3.4L)		119	157			145	442	184	440	379	514	428	272			3080
State of California Mendota Waterfowl Management	c (6.45-8.20)		5169	2442	575		14	135	224	1486	2477	3215	3259	4796			23792
Fresno Slough Water District	c(9.20-10.50)			50	22		232	605		111	419	436	456	113			2444
--JAMES BYPASS--	(11.80R)																
Traction Water District	e(0.75)		575	139			12	591	286	119	534	990	958	700			4904
Reclamation District 1606	e(1.50)						40	58									98
James Irrigation District	e (4.4)		32				4395	5663	202		1870	2898	6123	2860			24043
Tranquillity Irrigation District	c(12.00-13.75)		292			405	4570	2692	159	1113	3773	5318	3828	1105	f		23255
Melvin D. Hughes	c (12.20)							20				34					54
--LONE WILLOW SLOUGH--	219.8 R																
Columbia Canal Company	219.8 R		2733	2358	569	954	1718	6101	2460	8392	8838	8543	8626	6625			57917
State Center Land Company		g 1-6	268	99	38						101	163	196	97			962
C. Sawall		1-8															
Mendota Duck Club		1-8															
M. Beck		h 1-8	16														16
Mario Giomi (Jennings Ranch)																	
F. A. Yearout																	
Tulle Gun Club		i 1-8	18														18
Westlands Water District			987	867	586	1056	1924	4034	1258	2944	4251	4786	4276	1314	j		28283
Grasslands			25831	3511												10520	39862
J. W. Wilson							149	18			58	196	95				516
--GAGING STATION - SAN JOAQUIN RIVER AT WHITEHOUSE--	219.83																
--GRAVELLY FORD CANAL--	232.8 R																
FREMONT FORD BRIDGE TO GRAVELLY FORD																	
Total			66298	22954	4468	5608	30593	80528	31087	134705	165552	163857	140468	91386			937504
Average cubic feet per second			1078	386	73	91	551	1310	522	2191	2782	2665	2284	1536			1295
Monthly use in percent of seasonal			7.1	2.4	0.5	0.6	3.3	8.6	3.3	14.4	17.6	17.5	15.0	9.7			

Records for this reach furnished by the U. S. Bureau of Reclamation and the Contracting Entities, and include operational spill. Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources.

- a Includes transferred water.
- b Total does not include Central California Irrigation District deliveries from the Delta-Mendota Canal.
- c Plant is located on Fresno Slough which diverts from the San Joaquin River at mile 209.0L. Distance from the San Joaquin River and bank of slough on which diversion is located are shown in parentheses.
- d Total does not include Firebaugh Canal Company deliveries from the Delta Mendota Canal.
- e Plant is located on James Bypass which diverts from Fresno Slough at mile 11.80R. Distance from Fresno Slough and bank location of diversion are shown in parentheses.
- f Includes deliveries to Glotz property under transfer to Westlands Water District.
- g One 6-inch pump located on arm of slough at SW corner S. 12, T. 14 S., R. 15 E.
- h One 8-inch pump located on arm of slough 1400 feet S. of NE corner, S. 24, T. 14 S., R. 15 E.
- i One 8-inch pump located on arm of slough adjacent to M. Beck.
- j Does not include transferred water delivered to Glotz property by Tranquillity Irrigation District and deliveries under separate agreements by Panoche Water District and San Luis Water District.

TABLE 8-6 (Cont.)

DIVERSIONS - SAN JOAQUIN RIVER
(Gravelly Ford to Friant Dam)
October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE- FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Carl H. Hobe	233.03R	2- 6	123	84	8			2	25	48	91	274	314	230	1199
United Packing Company	233.63L	1- 6	93					102	37	54	46	104	26	28	490
--SKAGGS BRIDGE--	238.26														
--U. S. HIGHWAY 99 BRIDGE--	247.38														
--SANTA FE RAILROAD BRIDGE--	249.23														
Miller Brothers	251.46L	1- 6	1					8			29	55	68	28	189
Sycamore Island Stock Ranch 5	255.34R	1- 6								49	23	44	126	40	278
Sycamore Island Stock Ranch 4 a	255.84	1- 5	17					2				68	53	34	174
Oscar Spano River Ranch 4	256.38L	1- 8	81					7		26	34	65	103	44	360
Sycamore Island Stock Ranch 2	256.52R	1- 8		2				8		15	52	116	96	29	318
Oscar Spano River Ranch 1	257.10L	1-16	158					14	52	140	132	220	227	132	1075
Oscar Spano River Ranch 2	257.70L	1-12	47							64	3	172	107	82	475
James Sims b	258.08R	1- 6 1- 7	6							6	66	146	130	27	381
--STATE HIGHWAY 41 BRIDGE--	258.33														
W. E. Roberts 1	258.80L	1- 6						1		55	85	48	13	16	218
W. E. Roberts 2	258.90L	1-12	78	14	1							109	189	195	586
J. E. Cobb	259.39R	2- 6	3	2						4	61	93	87	9	259
--OLD LANES BRIDGE--	259.78														
J. E. Cobb 3	260.40R	1- 6	47	21				12		57	100	130	126	74	567
R. C. Arnold	261.53R	1- 4 1- 5	27					1		26	84	157	120	50	465
Duane M. Folsom	261.70L	1- 6	81	10							15	190	166	86	548
E. G. Rank, Jr.	262.32L	1- 5	26	2				4		39	36	69	71	30	277
W. H. Rohde	262.66L	1- 7						4		2	18	53	51	21	149
H. K. Jensen	263.76R	1- 5	37	7						33	48	60	68	41	294
W. F. Ball 2 c	264.04L	1- 6	52	4			21	18		84	82	78	90	76	505
H. W. Ball 4	264.08L	1- 6	38	1											39
Ike D. Ball	264.60R	1- 6	70	20						57	133	134	99	111	624
W. F. Ball 1	264.83L	1- 4 1- 5	41	2						49	36	99	72	58	357
Virgil Durando	267.56L	1- 8	28				3	56	4		137	219	219	64	730
--GAGING STATION - SAN JOAQUIN RIVER BELOW FRIANT--	268.13L														
--FRIANT BRIDGE--	268.88														
--COTTONWOOD CREEK--	269.53R														
--FRIANT DAM--	269.63														
<u>GRAVELLY FORD TO FRIANT DAM</u>															
Total			1054	169	9	0	24	239	118	804	1311	2703	2621	1505	10560
Average cubic feet per second			17	3	0	0	0	4	2	13	22	44	43	25	15
Monthly use in percent of seasonal			10.0	1.6	0.1	0	0.2	2.3	1.1	7.6	12.4	25.6	24.8	14.3	

a Point of diversion and place of use is on island in midstream.

b Previously published as L. D. Cobb.
c New installation in 1967.

TABLE B-6 (Cont.)
 DIVERSIONS - STANISLAUS RIVER
 October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.	
Moresco Brothers	1.9 R	1-16								63			102	134	299	
C. C. Anyyel	2.4 R	1-18	149							434	75	290	298	132	a 1378	
Faith Ranch	3.4 L	2-12 1-16	718						306	149	82	505	113	539	594	3006
Reclamation District 2064	4.0 R	1-14 1-16 2-20	874						270	24	1350	1400	1990	2570	2060	10540
Reclamation District 2075	4.05R	2-16 1-20							856	139	2840	3110	2440	2250	1650	13280
D. F. Koetitz	4.7 L	1-20	1							147	40		138	349	675	
E. T. Mape	4.75L	1-20	75							35		6		37	153	
Henry Pelucca	5.5 L	1-16											16		16	
Alice Gill	6.4 L	1-14								174	236	339	262	350	a 1361	
D. J. Macedo	8.4 R	1-16	228							105	295	300	433	370	1731	
N. E. Cannon	8.7 R	1-10	72						50	34	293	485	408	235	282	1859
--GAGING STATION - STANISLAUS RIVER AT KOETITZ RANCH--	9.35															
D. F. Koetitz	9.4 L	1-12	55						1		258	175	351	285	254	1379
John L. Hertle	9.8 L	1-10								8	5	8	24	25	46	116
Joe Laurence b	10.0 R	1-16												38		38
Joe Laurence b	10.5 R	1-16												525	210	735
--GAGING STATION - STANISLAUS RIVER AT RIPON--	15.7 L															
--SOUTHERN PACIFIC RAILROAD BRIDGE--	15.7															
--U. S. HIGHWAY 99 BRIDGE--	15.7															
A. Girardi	17.7 L	1-16								77	100	111	172	17	a 477	
Estate of Robert Paul Barton and Alice Lee Barton c	19.0 R	1-14	12							43	36	67	117	32	307	
Libby, McNeill and Libby	20.9 R	1-14								375	233	380	369	141	1498	
--MODESTO-ESCALON HIGHWAY BRIDGE--	29.6															
--SANTA FE RAILROAD BRIDGE--	33.4															
--GAGING STATION - STANISLAUS RIVER AT RIVERBANK--	d 33.6															
--BURNEYVILLE-FERRY BRIDGE--	d 33.7															
Oakdale Irrigation District (Crawford Pump) e	37.7 L	1-14								22	134	185	112	64	517	
Oakdale Irrigation District (Brady Pump) e	39.1 L	1-12								5	43	135	100	75	358	
--OAKDALE-STOCKTON HIGHWAY BRIDGE--	41.2															
--SOUTHERN PACIFIC RAILROAD BRIDGE (OAKDALE BRANCH)--	41.2															
--GAGING STATION - STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE--	47.0															
--KNIGHTS FERRY BRIDGE--	54.5															
STANISLAUS RIVER																
Total			2184	0	0	0	0	1483	354	6308	6875	7139	8586	6797	39720	
Average cubic feet per second			36	0	0	0	0	24	6	103	116	116	140	114	55	
Monthly use in percent of seasonal			5.5	0	0	0	0	3.7	0.9	15.9	17.3	18.0	21.6	17.1		

a Includes an undetermined amount of water returned to river by spill
 b Previously published as Joe Laurence.
 c Previously published as E. J. Freethy

d Gaging station discontinued in March 1967 when Burneyville Bridge was relocated .1 mile upstream.
 e Oakdale Irrigation District for season of 1967 maintained plants at miles 37.7L and 39.1L to supplement district gravity supply.

TABLE B-6 (Cont.)
 DIVERSIONS - TUOLUMNE RIVER
 October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
E. T. Mape	1.3 R	2-14	383	88					168		416	428	448	481	318	2730
John and Robert Bogetti a	1.9 L	2-12	37						195				74	109	239	654
John and Robert Bogetti a	2.9 L	1-10 1-12	123	1					161		123	282	209	243	163	1305
--GAGING STATION - TUOLUMNE RIVER AT TUOLUMNE CITY - (SHILOH BRIDGE)--	3.35															
Bancroft Fruit Farms	5.0 R	1-10	3			3					38	46	50	59	48	247
Della Battestin	5.9 L	1-16		5								36			1	42
Western Farms	6.3 L	1-16									69	36	64	119	47	335
Eugene Boone, Galen Hartwich, and Ted Gonzales b	7.1 R	1-10	6								72	6	101	78	26	289
Beth Wootten	8.4 R	1-10									114	14	100	121	79	428
James A. McCleskey	9.4 L	1-16	77	2	1		1				341	246	323	411	163	1565
James A. McCleskey	9.7 R	1-16	35	3							25	70	117	66	147	463
Homer Couchman	10.2 R	1-14	49								193	45	114	191	174	766
--CARPENTER ROAD BRIDGE--	12.9															
--U. S. HIGHWAY 99 FREEWAY BRIDGE--	15.55															
--SEVENTH STREET BRIDGE--	15.75															
--SOUTHERN PACIFIC RAILROAD BRIDGE--	15.8															
--U. S. HIGHWAY 99 BRIDGE--	16.05															
--GAGING STATION - TUOLUMNE RIVER AT MODESTO--	16.05															
--DRY CREEK--	16.5 R															
--EAST MODESTO BRIDGE--	19.3															
Jack Gardella	20.3 R	1-10	29	5							60	47	40	40	47	268
--SANTA FE RAILROAD BRIDGE--	21.6															
--SANTA FE ROAD BRIDGE--	21.65															
--GEER AVENUE BRIDGE--	26.0															
Michel Investment Company	28.8 R	1- 8	11	5							34	43	75	82	52	302
Firpo Ranch	30.2 L	1-10	23	1						1	35	7	149	102	53	371
--SOUTHERN PACIFIC RAILROAD BRIDGE (OAKDALE BRANCH)--	31.5															
--GAGING STATION - TUOLUMNE RIVER AT HICKMAN BRIDGE--	31.55															
Iva M. Ketcham	39.4 R	1- 8	20								27	76	122	141	111	497
Westley N. Sawyer	39.8 L	1- 8	34								47	40	117	91	107	436
--ROBERTS FERRY BRIDGE--	39.9															
Westley N. Sawyer	40.8 L	1-14	34								81	63	146	138	91	553
Curtner Zanker	45.7 L	1-10								1	15	69	42	51	25	203
Dolling Brothers	46.3 R	1- 8	44								31	38	102	90	102	407
--STATE HIGHWAY 132 BRIDGE--	47.4															
--GAGING STATION - TUOLUMNE RIVER AT LA GRANGE--	50.5															
<u>TUOLUMNE RIVER</u>																
Total			908	110	1	3	1	524	2	1721	1592	2393	2613	1993	11860	
Average cubic feet per second			15	2	0	0	0	9	0	28	27	39	42	33	16	
Monthly use in percent of seasonal			7.7	0.9	0	0	0	4.4	0	14.5	13.4	20.2	22.1	16.8		

a Previously published as J. V. Steenstrup Estate.

b Previously published as Eugene Boone, Galen Hartwich and Or. Harold Willis.

TABLE B-6 (Cont.)
 DIVERSIONS - DRY CREEK
 October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MDUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--MODESTO-EMPIRE TRACTIDN COMPANY RAILROAD BRIDGE--	0.7															
--STATE HIGHWAY 132 BRIDGE (YOSEMITE BOULEVARD)--	0.8															
--LA LOMA BRIDGE--	1.2															
--EL VISTA AVENUE BRIDGE--	2.9															
--GAGING STATION - DRY CREEK NEAR MODESTO--	5.4 L															
--CLAUS ROAD BRIDGE--	5.4															
--SANTA FE RAILROAD BRIDGE--	6.4															
--CHURCH STREET BRIDGE--	7.2															
--WELLSFORD ROAD BRIDGE--	8.7															
--ALBERS ROAD BRIDGE--	11.0															
--MODESTO IRRIGATION DISTRICT CANAL CROSSING--	11.1															
Edward Johnson	12.6 R	1- 6	14							27	35	54	53	19		202
Edward Johnson	12.7 R	1- 6	5								14	3	86	57		165
Joe Faundes	14.7 R	1-10	62							121	71	97	118	87		556
--OAKDALE-WATERFORD HIGHWAY BRIDGE--	17.4															
<u>DRY CREEK</u>																
Total			81	0	0	0	0	0	0	148	120	154	257	163		923
Average cubic feet per second			1	0	0	0	0	0	0	2	2	3	4	3		1
Monthly use in percent of seasonal			8.8	0	0	0	0	0	0	16.0	13.0	16.7	27.8	17.7		

TABLE B-6 (Cont.)
 DIVERSIONS - MERCED RIVER
 October 1966 through September 1967

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--HILLS FERRY BRIDGE--	1.1																
Stevinson Water District	1.7 R	1-20						62					363	246	671		
Stevinson Water District	3.3 L	1-20	320	38				32			79	486	517	359	1831		
Stevinson Water District	3.8 R	1-18	156	23			3	46		174	271	265	448	411	1797		
Milton Gordon	4.3 L	1-16	5							44	31	52	54	27	213		
--GAGING STATION - MERCED RIVER NEAR STEVINSON--	4.6																
Maria DeAngelis	5.8 L	1-12	7							27	48	60	55	11	208		
Stevinson Water District	6.1 L	1-20	100	43				227		391	624	515	312	274	2486		
Stevinson Water District	7.7 L	1-20	543	218			218	354		248	510	376	127	178	2772		
Manuel Clementino	8.5 L	1-12		10						92	33	23	25	32	215		
Manuel Clementino	8.9 L	1-12	1							58	74	37	99	41	310		
Samuel B. McCullagh	9.4 L	1- 8						94		50	87	132	291	82	736		
Mrs. J. R. Jacinto	9.6 L	1-12	77							41	109	106	125	105	563		
Mrs. J. B. Silva, E. and J. Gallo Winery Ranch, L. Alves and A. Mattos	10.35L	1-10	36	6	292	2			2	97	354	169	215	124	1297		
Manuel Freitas	10.9 L	1-12	60	5				42		68	92	98	118	87	570		
R. E. Prusso and John Vierra	10.9 L	1- 8 1-12	21							51	123	64	101	72	432		
E. and J. Gallo Winery Ranch	11.6 L	1-18	336	13				89	18	39	478	718	183		1874		
--MILLIKEN BRIDGE--	11.65																
Anthony L. Calderia	12.5 R	1-12	10								68	19	87	29	213		
E. and J. Gallo Winery Ranch	12.85L	1-12		158	20			3	8		190	202	153		734		
J. M. Souza	14.5 L	1-10	8							16		96	93	43	256		
E. and J. Gallo Winery Ranch	16.5 L	1-14			4			4	9	16	134	128	124		419		
J. E. Gallo	20.4 L	1- 8	34	104				28	8	59	38	148	15		434		
--U. S. HIGHWAY 99 BRIDGE--	21.04																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	21.05																
Gallo Cattle Company	22.2 R	1- 8 1-16		111				243	43	148	43	319	70		977		
Gallo Cattle Company	22.8 R	1-12 1-15		65				44		74	33	175	25		416		
Merced River Farms Association	26.3 R	1- 8	1					3	1	24	22	42	41	12	146		
--SANTA FE RAILROAD BRIDGE--	27.05																
W. C. Magneson	27.5 R a	1-12	28								52	107	81	77	345		
--GAGING STATION - MERCED RIVER AT CRESSEY--	27.55																
--CRESSEY BRIDGE--	27.55																
Manuel Silva	29.9 R	1- 6 1-10									37	32		44	113		
Manuel Silva	30.95R	1-12	29								38	41	60	44	212		
Rancho Con Valor	31.1 L	1- 8 1-12	58	3						42	23	119	148	20	413		
Manuel Silva	31.4 R	1-10	4												4		
P. Hilarides	32.2 L	1-12	118									68	12		198		
--SHAFFER BRIDGE--	32.5																
Harry P. Schmidt and Sons	33.1 R	1-10								12	4	130	103	52	301		
W. P. Bettencourt, P. Hilarides, and Cowel Lime and Cement Co.	36.9 L	Gravity	155	151	14			164	369	624	1130	1310	1530	981	b 6428		
Amsterdam Orchards Incorporated	39.1 L	1-14	12	6	2	3	23	156	7	7	11	13	21	16	277		
Ratzlaff Brothers	40.2 L	1- 2 1- 4	1							32	38	50	62	34	217		
--COX FERRY BRIDGE--	42.1																
Cowel Ditch	45.3 R	Gravity	575	562	918	419	183	72	1850	4770	4270	3860	3830	3420	24730		
--GAGING STATION - MERCED RIVER BELOW SNELLING--	46.2																
Jorgenson Ditch	46.3 R	Gravity	182	149	152	167	158	336	373	923	1230	788	783	549	5790		
--SNELLING BRIDGE--	46.4																
Cook and Dale Ditch	47.0 R	Gravity	179	69	37	93	28	73	63	659	1080	1140	754	745	4920		
Ruddle Ditch	47.9 R	Gravity	1070	1030	854	813	781	874	1500	2790	3670	3960	3780	2660	23780		
Canevaro Ditch	50.0 R	Gravity	130	105	60	52	43	79	104	264	496	650	711	470	3164		
MERCED RIVER																	
Total			3920	3192	2366	1549	1434	3025	4355	11840	15520	16500	15520	11240	90460		
Average cubic feet per second			64	54	38	25	26	49	73	193	261	268	252	189	125		
Monthly use in percent of seasonal			4.3	3.5	2.6	1.7	1.6	3.3	4.8	13.1	17.2	18.3	17.2	12.4			

a Replaces a 10-inch unit.

b Includes an undetermined amount of water returned to river by spill.

TABLE B-6 (Cont.)
 DIVERSIONS - TULE RIVER
 October 1966 through September 1967

WATER USER	MILE AND BANK BELOW SUCCESS DAM	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	OEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
--SUCCESS DAM--	0.0														
--GAGING STATION - TULE RIVER BELOW SUCCESS DAM--	0.35														
Campbell-Moreland Ditch	2.4 L	Gravity			1289	1410	746	696		419	849	821	1047	982	8259
--PORTER SLOUGH--	2.4 R														
--GAGING STATION - PORTER SLOUGH AT PORTERVILLE (B LANE BRIDGE)--	a (2.4)														
--PIONEER SPILL--	a (3.7R)														
Porter Slough Ditch	a (4.5R)	Gravity						171	268	662	748	938	964	689	4440
--GAGING STATION - PORTER SLOUGH NEAR PORTERVILLE (NEWCOMB ROAD)--	a (6.1)														
Vandalia Ditch	3.1 L	Gravity			198	78	39	172	192	206	231	198	229	192	1735
--SANTA FE RAILROAD BRIDGE--	5.1														
Poplar Ditch	5.8 L	Gravity			2810	2854	4050	3466	1562	5669	5139	3320	5288	4096	38250
--MAIN STREET BRIDGE--	5.9														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	6.0														
Hubbs-Miner Ditch	6.4R	Gravity			94		58	240	216	607	515	858	516	415	3519
--STATE HIGHWAY 65 BRIDGE--	6.6														
Rhodes-Fine Ditch	8.4 L	Gravity						NO DIVERSION							
--OLIVE AVENUE BRIDGE--	9.9														
--FRIANT-KERN CANAL CROSSING--	10.5														
Woods-Central Ditch	11.0 L	Gravity			2446	2908	2892	3594	1723	6696	4707	2773	10800	2436	40980
--GAGING STATION - TULE RIVER BELOW PORTERVILLE--	11.8														
--DTTLE BRIDGE--	14.4														
<u>TULE RIVER</u>															
Total			0	0	6837	7250	7785	8339	3961	14260	12190	8908	18840	8810	97180
Average cubic feet per second			0	0	111	118	140	136	67	232	205	145	306	148	134
Monthly use in percent of seasonal			0	0	7.0	7.4	8.0	8.6	4.1	14.7	12.5	9.2	19.4	9.1	

Records furnished by the Tule River Association. Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources.

a Figure in parentheses indicates distance along Porter Slough from Tule River.

TABLE 8-7
 DIVERSIONS AND ACREAGE IRRIGATED - EAST SIDE CANALS AND IRRIGATION DISTRICTS
 October 1966 through September 1967

WATER USER	DIVERSION													ACREAGE IRRIGATED	
	OCT	NDV	DEC.	JAN	FEB	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL	GENERAL	RICE
<u>Priant-Kern Canal</u>															
	<u>San Joaquin River^a</u>														
Total acre-feet diverted	32238	16421	96	7005	140924	146481	104321	57987	138660	237995	260112	233643	1375883	Not Available	
Average cubic feet per second	524	276	2	114	2537	2382	1753	943	2330	3871	4230	3927	1900		
Monthly use in percent of seasonal	2.3	1.2	0	0.5	10.2	10.7	7.6	4.2	10.1	17.3	18.9	17.0			
<u>Madera Canal</u>															
Total acre-feet diverted	143	0	0	7408	15802	13799	14247	35372	51932	76140	73677	44326	332846	Not Available	
Average cubic feet per second	2	0	0	120	285	224	239	575	873	1238	1198	745	460		
Monthly use in percent of seasonal	0	0	0	2.2	4.8	4.2	4.3	10.6	15.6	22.9	22.1	13.3			
<u>Merced Irrigation District</u>															
<u>Merced River</u>															
Main Canal	0	0	0	0	0	504	18996	86096	104370	120002	112395	85390	b 527753	c 99901	5978
Northside Canal	446	298	50	60	56	54	242	2660	3735	4483	4501	3671	20256	c 4408	
Total acre-feet diverted	446	298	50	60	56	558	19238	88756	108105	124485	116896	89061	548009		
Average cubic feet per second	7	5	1	1	1	9	323	1443	1817	2024	1901	1497	757		
Monthly use in percent of seasonal	0.1	0.1	0	0	0	0.1	3.5	16.2	19.7	22.7	21.3	16.3			
<u>Turlock Irrigation District</u>															
<u>Tuolumne River</u>															
Total acre-feet diverted	23530	31770	6700	2000	1950	18560	40760	80940	96600	118000	93620	95430	d 609860	e 172931	0
Average cubic feet per second	383	534	109	33	35	302	685	1316	1623	1919	1523	1604	842		
Monthly use in percent of seasonal	3.9	5.2	1.1	0.3	0.3	3.0	6.7	13.3	15.6	19.3	15.4	15.7			
<u>Moderato Irrigation District</u>															
Total acre-feet diverted	8041	3630	16170	21	17	8441	21778	46490	59543	59196	40489	41924	f 305740	g 64109	461
Average cubic feet per second	131	61	263	0	0	137	366	756	1001	963	658	705	422		
Monthly use in percent of seasonal	2.6	1.2	5.3	0	0	2.8	7.1	15.2	19.5	19.4	13.2	13.7			
<u>Waterford Irrigation District</u>															
Total acre-feet diverted	2079	0	0	0	0	329	1982	6130	7327	8954	7371	5596	h 39768	i 7214	0
Average cubic feet per second	34	0	0	0	0	5	33	100	123	146	120	94	55		
Monthly use in percent of seasonal	5.3	0	0	0	0	0.8	5.0	15.4	18.4	22.5	18.5	14.1			
<u>Dakdale Irrigation District</u>															
<u>Stanislaus River</u>															
Northside Canal	2477	84	0	0	0	406	79	16843	20185	23880	22991	18239	105184	j 20642	3452
Southside Canal	3835	0	0	0	0	418	306	24688	29797	33939	33604	26906	153493	k 34749	425
Total acre-feet diverted	6312	84	0	0	0	824	385	41531	49982	57819	56595	45145	258677	m 59268	0
Average cubic feet per second	103	1	0	0	0	13	6	675	840	940	920	759	357		
Monthly use in percent of seasonal	2.4	0	0	0	0	0.3	0.1	16.1	19.3	22.4	21.9	17.5			
<u>South San Joaquin Irrigation District</u>															
Total acre-feet diverted	3116	0	0	0	4385	4837	6912	36942	48891	51145	42610	42523	241361	n 61121	266
Average cubic feet per second	51	0	0	0	79	79	116	601	822	832	693	715	333		
Monthly use in percent of seasonal	1.3	0	0	0	1.8	2.0	2.9	15.3	20.3	21.2	17.6	17.6			

a Data for Madera and Priant-Kern Canals furnished by U. S. Bureau of Reclamation. All other data furnished by individual irrigation districts and published as received.
 b An additional 63,081 acre-feet of water was pumped from wells.
 c Of this acreage, 2,631 were double cropped. Does not include an undetermined amount of riparian water users acreage.
 d An additional 154,963 acre-feet of water was pumped from wells.
 e Of this acreage, 23,224 were double cropped.
 f An additional 42,280 acre-feet of water was pumped from wells.
 g Of this acreage, 9,394 were double cropped.

h An additional 651 acre-feet of water was pumped from wells.
 i Of this acreage, none were double cropped.
 j Of this acreage, 275 were double cropped.
 k Of this acreage, 773 were double cropped.
 l This acreage also received 25,275 acre-feet of water from wells and controlled drainage.
 m This acreage also received an undetermined amount of well water, and an undetermined amount of controlled drainage water from Oakdale Irrigation District. Of this acreage, 210 were double cropped. Includes 1,169 acres served by subirrigation.

TABLE B-8
DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS
October 1966 through September 1967

WATER USER	MILE POST FROM CANAL HEAD		MONTHLY DELIVERIES IN ACRE-FEET												TOTAL
	FROM	TD	DCT	NDV	DEC.	JAN	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT	
<u>Delta-Mendota Canal</u>															
State of California (South Bay Aqueduct)	3.54		6159	5098	4286	5466	551	2907	777	2250	5850	7757	7663	7054	55818
Plain View Water District	4.22	20.96	619	119	0	8	3	145	54	2328	2944	3964	4175	2438	16797
Carnazzo Land Company, Incorporated	6.96		0	0	0	0	0	0	0	0	1	2	1	1	5
Gallagher and Burke, Incorporated	7.50		6	0	0	0	0	0	0	0	0	0	0	0	6
West Side Irrigation District	14.79		0	0	0	0	0	0	0	994	1356	1370	1424	56	5200
Wunderlich Corporation	16.25		29	8	3	22	2	2	1	16	22	17	17	19	158
Hospital Water District	18.06	30.96	956	178	31	6	9	810	534	4156	3946	5050	4724	2197	22597
Banta-Carbona Irrigation District	20.42		186	0	0	0	0	55	52	2766	1370	1061	1317	381	7188
Fredrickson & Watson Construction Company	21.48	39.78	115	54	15	42	38	54	42	33	44	27	25	16	505
West Stanislaus Irrigation District	31.31		559	130	0	0	0	0	0	2435	1207	7858	6245	0	18434
Kern Canon Water District	31.31	35.08	143	1	114	0	0	0	81	864	1291	1736	1633	565	6428
Del Puerto Water District	35.73	42.51	305	18	0	54	0	412	30	1908	2413	2544	3072	1841	12597
Western Contracting Corporation	41.49		59	59	123	115	23	17	1	46	48	58	58	33	640
Salado Water District	42.10	46.83	215	11	0	0	0	130	0	1382	1838	2476	1783	697	8532
Patterson Water District	42.51		73	0	0	0	0	0	0	502	934	827	1518	505	4359
Sunflower Water District	44.23	52.02	324	4	0	0	0	300	79	1882	2099	3084	2674	1162	11608
Drestimba Water District	46.83	51.41	0	28	0	0	1	201	20	886	1472	3560	2545	307	9020
Foothill Water District	51.65	57.46	139	56	0	1	1	447	2	964	1451	2100	2132	1012	8305
Davis Water District	53.64	56.82	65	1	0	0	0	9	33	546	526	716	586	326	2808
Mustang Water District	56.80	62.76	147	2	0	0	0	1	0	542	847	1079	1154	764	4536
Central California Irrigation District	60.65	76.05	2009	5	0	0	55	1116	657	542	617	5166	10893	6310	27370
Peter Kiewit and Sons Company	62.87		137	118	14	2	2	0	0	0	0	0	0	0	273
Quinto Water District	64.32	67.55	306	18	0	10	1	27	38	531	1126	1234	1303	838	5432
Romero Water District	68.03		396	348	0	0	0	0	0	149	397	439	619	439	2787
San Luis Water District	68.99	90.53	2375	1918	1077	2814	4858	6827	3379	6572	9900	13856	11507	3850	68933
San Luis Water District, Municipal and Industrial	69.21	87.48	26	6	0	1	2	3	0	12	15	36	29	42	172
Grasslands Water District	70.00		10771	2850	0	0	0	0	0	0	0	0	0	4485	18106
Grasslands Water District Holding Res			0	0	0	0	0	0	0	0	0	0	0	0	0
Sam Hamburg Farm	90.53		2	2	1	0	3	2	2	2	4	5	4	3	30
Panoche Water District	93.25	96.70	1843	3394	461	1846	5674	9882	3363	6544	7870	13481	10005	2721	67084
Eagle Field Water District	93.27	94.57	42	228	0	0	290	549	93	400	676	592	567	200	3637
Dro Loma Water District	95.50	96.62	0	0	0	0	0	35	274	1134	1024	1214	1236	277	5194
West Side Golf Association	95.95		12	6	3	4	3	6	4	18	18	23	27	16	140
Mercy Springs Water District	97.70	99.81	0	0	0	0	0	173	0	795	819	1017	698	450	3952
Widren Water District	102.03		0	0	0	0	0	116	19	444	206	275	369	0	1429
Broadview Water District	102.95		166	1093	626	1163	1157	2489	633	1718	2136	3885	2170	1470	18706
U. S. Bureau of Reclamation Construction			194	88	56	1	0	1	1	1	0	0	7	23	372
Firebaugh Canal Company	107.85	109.85	0	0	0	0	0	0	0	0	0	4246	8236	165	12647
Total			28378	15841	6810	11555	12673	26716	10169	43362	54467	90755	90416	40663	431805
Net Deliveries DMC to Mendota Pool			77038	26440	1575	14842	24754	87854	19835	0	815	63707	159100	96444	572404
<u>San Luis Canal</u>															
San Luis Water District Total	486+60	795+44	0	0	0	0	0	0	0	0	0	0	0	12	12
<u>Madera Canal</u>															
Madera Irrigation District	6.10	32.2	0	0	0	97	9848	8148	4163	21509	31135	45545	43746	24695	188886
Adobe Ranch	20.6		143	0	0	0	0	0	0	0	0	0	0	0	143
Chowchilla Water District	35.9		0	0	0	7311	5954	5651	10084	13863	20797	30595	29931	19631	143817
Total			143	0	0	7408	15802	13799	14247	35372	51932	76140	73677	44326	332846

TABLE 8-8 (Cont.)
 DELIVERIES FROM CENTRAL VALLEY PROJECT CANALS
 October 1966 through September 1967

WATER USER	MILE POST FROM CANAL HEAD		MONTHLY DELIVERIES IN ACRE-FEET												TOTAL	
	FROM	TO	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
			Millerton Lake													
Fresno County Water District #18			10	3	0	2	2	2	1	8	14	23	20	14	99	
County of Madera			0	1	1	1	1	1	1	1	1	2	2	1	13	
Millerton Lake Development Corporation			0	0	0	0	0	0	0	0	0	0	0	5	5	
Total			10	4	1	3	3	3	2	9	15	25	22	20	117	
			Friant-Kern Canal													
Garfield Water District	7.53		188	116	84	0	60	54	0	357	490	587	413	282	2631	
Dog Creek Water District	14.8		0	0	0	0	0	0	0	0	0	0	0	0	0	
International Water District	14.9		0	0	0	0	0	0	0	103	182	300	252	214	1051	
Round Mountain Water District	20.85 21.33		0	0	0	0	0	0	0	0	30	44	46	44	164	
Round Mountain Ranch	20.22		0	0	0	0	0	0	0	0	0	4	0	15	19	
Trimmer Springs Water District	27.56		0	0	0	0	0	0	0	0	26	89	68	85	268	
Consolidated Irrigation District	28.50		0	0	0	2380	39404	11084	20716	0	0	0	28406	40862	142852	
Last Chance Water Ditch Company	28.50		0	0	0	0	0	0	0	0	0	0	0	0	0	
Laguna Irrigation District	28.50		0	0	0	0	1000	1000	0	0	0	0	0	0	2000	
Corcoran Irrigation District	28.50		0	0	0	409	5591	2930	0	0	0	0	0	0	8930	
Stratford Irrigation District	28.50		0	0	0	0	0	0	0	0	0	0	0	0	0	
Tulare Lake Basin Water Storage District	28.50 95.64		0	0	0	0	0	1470	0	0	0	0	0	0	1470	
Alta Irrigation District	28.50		0	0	0	99	2902	1000	0	0	0	0	0	0	4001	
Fresno Irrigation District	28.50		0	0	0	419	4602	7359	1736	0	0	8934	662	17429	41141	
Murphy Slough Association	28.50		0	0	0	0	2000	1176	0	0	0	0	0	0	3176	
Kings River Water Association	28.50		0	0	0	0	0	0	0	0	0	0	0	0	0	
Empire Westside Irrigation District	28.50		0	0	0	0	2000	1000	0	0	0	0	0	0	3000	
Kings County Water District	28.50 71.29		0	0	0	0	23750	6004	8140	0	0	0	4326	11592	53812	
Orange Cove Irrigation District	35.87 53.31		2305	827	0	0	0	0	0	1656	4163	6306	6669	4580	26506	
City of Orange Cove	43.44		40	21	0	0	0	7	7	28	43	59	60	40	305	
Stone Corral Irrigation District	56.90 64.40		373	167	0	0	0	141	1	359	1085	2196	2180	1049	7551	
Ivanhoe Irrigation District	65.04 68.13		1031	732	0	0	200	91	60	1041	2170	1551	2545	2991	2210	14622
Tulare Irrigation District	68.14 71.29		0	0	0	1716	23530	16056	8749	0	2271	18224	27682	20376	118604	
Lakeside Irrigation Water District	69.42		0	0	0	1246	4050	2001	0	0	0	0	0	0	7297	
Kaweah-Delta Water Conservation District	69.08 71.29		0	0	0	516	6062	5978	22626	0	13785	25466	36903	34943	146279	
Exeter Irrigation District	72.52 79.24		603	282	0	0	180	266	131	2392	4796	5149	4786	2985	21570	
Lewis Creek Water District	81.54		14	17	0	0	0	0	0	26	190	375	208	198	1028	
Lindsay-Strathmore Irrigation District	85.56		2684	1662	12	0	52	83	52	1720	3838	4973	5052	3709	23837	
Lindmore Irrigation District	86.17 91.12		2759	1220	0	0	476	1551	175	3406	7920	10394	9965	6252	44118	
Porterville Irrigation District	93.93 98.62		252	0	0	20	1480	3919	2711	1434	2767	3812	3301	1555	21251	
Lower Tule Irrigation District	95.67 98.62		0	0	0	0	3260	13274	10441	8406	17820	38682	24395	26799	143077	
Tea Pot Dome	99.35		415	228	0	0	0	15	0	234	714	901	980	649	4136	
Saucelito Irrigation District	98.62 107.37		700	202	0	0	359	4725	1283	2874	6833	10447	9929	4679	42031	
Cloer Community Service District	101.60		0	0	0	0	0	5	0	22	22	22	24	7	102	
Terra Bella Irrigation District	102.65		1565	347	0	0	0	0	0	530	2273	3072	3360	2216	13363	
Fixley Irrigation District	102.69		0	0	0	0	1295	2499	109	0	3729	8688	8694	5113	30127	
Delano-Earlimart Irrigation District	109.48 118.45		3701	1313	0	0	4614	21582	6034	12482	27299	34475	29068	13403	153971	
Alpaugh Irrigation District	112.96		0	0	0	0	0	0	0	0	956	1480	1482	1353	5271	
Southern San Joaquin Municipal Utility District	117.44 127.97		4552	1345	0	0	3201	17707	2555	10294	18302	28685	26728	13242	126611	
Rag Gulch Water District	117.96		0	0	0	0	0	12	1067	631	2154	2333	1999	1263	9459	
Kern County Water Agency	130.03		0	0	0	0	0	0	0	0	3065	3221	2678	2975	11939	
Shafter-Wasco Irrigation District	134.42 137.17		1747	885	0	0	1698	6982	770	3610	8356	10471	10154	5441	50114	
Pacific Gas & Electric Company	150.83		0	506	0	0	0	0	631	1135	910	324	0	0	3506	
Rosedale Rio Bravo Water Storage District	151.0		0	1870	0	0	3001	4501	6750	0	0	750	0	0	16872	
Buena Vista Water Storage District	151.80		0	0	0	0	6000	2501	0	0	0	0	0	0	8501	
Arvin-Edison Water Storage District	151.80		9309	4681	0	0	266	9539	8596	4118	3090	4987	6651	8083	59320	
Total			32238	16421	96	7005	140924	146481	104321	57987	138660	237995	260112	233643	1375883	

Data furnished by the U. S. Bureau of Reclamation. Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources. Deliveries include operational spill.

- a Includes deliveries to City of Fresno.
- b Includes water transported from Wutchurna Ditch.
- c Includes deliveries to Gibleath Brothers Duck Club.

TABLE B-9
 IMPORTS AND EXPORTS
 October 1966 through September 1967

WATER USER													TOTAL
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Delta-Mendota Canal	Imports from Delta ^a												
Total acre-feet	103139	49888	21795	39708	37484	116260	67387	110122	116407	150032	247989	142044	1202255
Average cubic feet per second	1677	838	354	646	675	1891	1132	1791	1956	2440	4033	2387	1661
Monthly use in percent of seasonal	8.6	4.1	1.8	3.3	3.1	9.7	5.6	9.2	9.7	12.5	20.6	11.8	
City and County of San Francisco	Exports from Tuolumne River ^b												
Total acre-feet	20955	20424	17445	15507	7462	15594	11433	18962	18646	20944	20939	20121	208432
Average cubic feet per second	341	343	284	252	134	254	192	308	313	341	341	338	288
Monthly use in percent of seasonal	10.1	9.8	8.4	7.4	3.6	7.5	5.5	9.1	8.9	10.0	10.0	9.7	

Data for Delta-Mendota Canal furnished by U. S. Bureau of Reclamation; data for Tuolumne River exports furnished by City and County of San Francisco. Acre-feet values are published as received and not rounded to the criteria used by the Department of Water Resources.

- a. Does not include water diverted to South Bay Aqueduct.
- b. Includes water delivered to Lawrence Radiation Laboratory.

TABLE B-10

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	C03110	TULARE LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			DRY	NR	181.57	NR	DRY	179.02	183.10	181.14	179.45		1
2			DRY	182.65	181.48	NR	DRY	179.17	183.08	181.04	179.30		2
3			DRY	NR	181.43	NR	DRY	179.29	183.02	181.08	NR		3
4			DRY	NR	181.37	NR	DRY	179.48	NR	181.15	NR		4
5			DRY	NR	NR	NR	DRY	179.64	NR	181.45	178.50		5
6			DRY	182.65	181.22	NR	DRY	179.90	182.88	181.62	NR		6
7			DRY E	182.62	181.14	NR	DRY	180.17	182.88	181.83	178.30		7
8			NR	NR	NR	NR	DRY	180.38	182.86	181.98	NR		8
9			NR	182.58	180.96	NR	DRY	180.58	182.82	181.96	178.00		9
10			NR	NR	180.87	NR	DRY	180.80	182.79	181.92	NR		10
11			NR	182.50	180.77	NR	DRY	181.00	182.74	181.75	NR		11
12			NR	182.40	NR	NR	DRY	181.33	182.70	181.67	NR		12
13			NR	182.33	180.63	NR	DRY	181.68	182.64	181.50	NR		13
14			NR	182.27	NR	NR	DRY	182.03	182.56	181.35	NR		14
15	D R Y	D R Y	NR	NR	180.46	DRY	DRY	182.44	182.47	181.25	DRY	D R Y	15
16			NR	182.14	180.34	DRY	DRY	182.81	182.44	NR	DRY		16
17			NR	182.07	180.26	DRY	DRY	182.97	NR	181.05	DRY		17
18			182.30	182.00	180.17	DRY	DRY	183.13	NR	180.95	DRY		18
19			182.45	181.98	NR	DRY	DRY	183.31	182.17	180.85	DRY		19
20			182.60	NR	NR	DRY	DRY	183.48	182.12	180.80	DRY		20
21			182.75	NR	179.96	DRY	DRY	183.56	182.01	180.67	DRY		21
22			182.90	NR	179.87	DRY	DRY	183.58	181.94	180.58	DRY		22
23			182.92	181.98	179.65	DRY	DRY	183.53	181.83	NR	DRY		23
24			182.88	181.88	179.53	DRY	DRY	183.50	181.77	180.49	DRY		24
25			182.82	181.92	179.43	DRY	DRY	183.47	NR	NR	DRY		25
26			182.75	181.88	NR	DRY	DRY	183.40	181.60	180.38	DRY		26
27			182.68	181.81	179.23	DRY	DRY	183.33	181.48	180.28	DRY		27
28			182.68	NR	179.17	DRY	DRY	183.28	181.40	180.15	DRY		28
29			182.64	NR		DRY	178.72	183.18	181.30	NR	DRY		29
30			182.62	181.59		DRY	178.87	183.17	181.20	NR	DRY		30
31			182.67	NR		DRY		183.14		NR	DRY		31

CREST STAGES

E - ESTIMATED
NR - NO RECORD
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
30 03 10	119 49 35			196.8	6-28-41		FEB 37-DATE	1937		0.00	USCGS

Station located 2.2 miles southwest of Chatom Ranch, 6 miles southwest of Corcoran on south end of El Rico Bridge. Tulare Lake receives water from Kings, Kaweah, and Tule Rivers during high-water periods and occasionally from Kern River, Deer Creek, and several small intermittent streams. Elevation at lowest point of lake bed is now about 177 feet. U. S. Geological Survey datum. Records furnished by Tulare Lake Basin Water Storage District and the Boswell Company. During this water year the inundated area of the lake basin was confined by levee systems to an area of 27 sections or approximately 17,300 acres.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B07885	SAN JOAQUIN RIVER BELOW FRIANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.28	2.26	2.00	1.98	7.97	1.72	2.01	9.60	9.59	6.02	2.35	2.25	1
2	2.28	2.26	2.02	1.98	7.91	1.72	1.95	9.60	9.59	5.91	2.22	2.25	2
3	2.28	2.27	2.01	1.99	7.87	1.72	1.90	9.58	9.59	6.06	2.20	2.25	3
4	2.28	2.27	2.01	1.99	7.61	1.72	1.93	9.61	9.60	6.83	2.30	2.25	4
5	2.28	2.27	2.03	1.99	6.86	1.71	2.18	9.63	9.61	7.15	2.29	2.25	5
6	2.28	2.27	2.08	1.99	6.02	1.71	1.98	9.61	9.59	7.15	2.29	2.24	6
7	2.27	2.28	2.00	1.99	5.04	1.78	2.39	9.62	9.60	7.16	2.28	2.24	7
8	2.27	2.24	1.88	1.99	3.06	1.79	2.23	9.60	9.63	7.02	2.28	2.23	8
9	2.27	2.22	1.84	1.99	1.79	1.78	2.13	9.59	9.53	6.45	2.28	2.23	9
10	2.27	2.22	1.83	1.99	1.78	1.87	2.13	9.58	9.33	5.43	2.28	2.23	10
11	2.27	2.22	1.82	1.99	1.77	1.99	4.32	9.60	9.15	3.74	2.29	2.23	11
12	2.27	2.22	1.82	1.99	1.76	2.12	6.00	9.61	9.05	2.55	2.31	2.22	12
13	2.27	2.22	1.82	1.99	1.90	2.03	5.99	9.60	8.86	2.55	2.30	2.22	13
14	2.29	2.18	1.82	1.99	2.39	2.00	6.51	9.60	8.75	2.55	2.30	2.22	14
15	2.32	2.14	1.81	2.00	2.39	1.88	6.62	9.62	8.54	2.55	2.30	2.22	15
16	2.32	2.16	1.80	2.00	2.04	2.02	6.88	9.60	8.41	2.55	2.29	2.23	16
17	2.32	2.16	1.80	2.01	1.73	1.98	7.04	9.60	8.21	2.55	2.29	2.23	17
18	2.32	2.16	1.80	2.00	1.72	1.89	7.66	9.61	8.11	2.59	2.28	2.20	18
19	2.32	2.10	1.80	2.00	1.71	1.86	8.54	9.60	7.89	2.51	2.29	2.13	19
20	2.32	2.03	1.80	2.01	1.71	1.85	9.50	9.62	7.78	2.45	2.29	2.13	20
21	2.29	2.01	1.80	2.02	1.71	1.83	9.48	9.62	7.55	2.61	2.28	2.13	21
22	2.26	2.00	1.91	2.09	1.71	1.82	9.29	9.62	7.44	2.52	2.27	2.13	22
23	2.26	1.99	1.98	2.09	1.71	1.82	9.40	9.62	7.20	2.72	2.27	2.12	23
24	2.26	1.99	1.99	2.10	1.71	1.81	9.30	9.60	6.83	2.76	2.27	2.11	24
25	2.26	1.99	1.99	2.13	1.93	1.80	9.40	9.59	6.41	2.54	2.27	2.11	25
26	2.25	1.99	1.99	1.95	1.82	1.79	9.48	9.59	6.30	2.56	2.27	2.11	26
27	2.25	1.99	1.99	1.92	1.76	1.79	9.53	9.59	6.32	2.55	2.26	2.11	27
28	2.25	1.99	1.99	1.91	1.73	1.80	9.54	9.59	6.34	2.48	2.26	2.08	28
29	2.25	1.99	1.99	2.02		1.87	9.56	9.60	6.32	2.40	2.26	2.05	29
30	2.25	1.99	1.99	2.35		1.81	9.55	9.59	6.31	2.40	2.26	2.05	30
31	2.25		1.99	6.06		2.03		9.59		2.40	2.26		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	1-31-67	1900	8.04	5-4-67	1900	9.65	6-7-67	2000	9.63			
NR - NO RECORD	4-21-67	2400	9.62	5-13-67	1830	9.64	7-7-67	2100	7.17			
NF - NO FLOW	5-1-67	2200	9.63	5-23-67	1100	9.66						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 59 04	119 43 24	SW 7 11S 21E	77200	23.8	12-11-37	OCT 07-DATE		1938	---	294.00	USGS

Station located 2 miles downstream from Friant Dam and 1.5 miles downstream from Cottonwood Creek. Flow regulated by Millerton Lake beginning in 1944, and by other upstream reservoirs. Records furnished by U. S. Geological Survey. Drainage area is 1,675 square miles.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B07575	SAN JOAQUIN RIVER ABOVE SAND SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	100.40		NF	100.64	105.80	101.20	100.92	110.42	109.35	106.39	100.67	NF	1
2	100.37		NF	100.61	104.61	100.93	102.88	110.38	109.39	106.59	100.64	100.42	2
3	NF		NF	100.59	103.96	100.65	103.36	110.36	109.41	106.85	100.67	100.56	3
4	NF		NF	100.52	105.80	100.64	103.08	110.32	109.45	106.88	100.56	100.63	4
5	NF		NF	100.44	106.94	100.67	102.90	110.21	109.44	107.02	100.54	100.65	5
6	NF		NF	100.38	107.28	100.94	104.87	110.20	109.44	107.52	100.48	100.69	6
7	NF		105.38	NF	107.31	100.98	104.40	110.08	109.49	107.89	100.50	100.78	7
8	100.47		105.26	NF	106.48	100.78	106.02	109.95	109.51	107.88	100.47	100.84	8
9	100.55		104.47	NF	105.02	100.59	105.56	109.84	109.55	107.77	100.56	100.90	9
10	100.46		103.89	NF	103.79	100.54	104.90	109.70	109.41	107.62	100.52	100.85	10
11	100.39		103.86	NF	103.25	100.53	104.73	109.66	109.24	106.75	100.49	100.88	11
12	100.36	N	103.75	NF	102.97	100.56	105.58	109.66	109.14	105.30	100.42	100.84	12
13	NF	O	103.31	NF	102.43	101.34	105.50	109.62	109.04	104.65	100.46	100.82	13
14	NF		102.80	NF	102.16	104.84	105.42	109.48	108.86	104.36	100.46	100.75	14
15	NF		102.46	NF	102.06	104.60	105.55	109.38	108.70	104.50	100.43	100.83	15
16	NF	F	102.16	NF	101.85	103.48	106.62	109.30E	108.50	104.88	100.41	100.49	16
17	NF	L	101.90	NF	101.65	104.94	107.28	109.28E	108.26	104.35	100.43	NF	17
18	NF	O	101.71	NF	101.55	104.83	107.87	109.24E	108.16	103.82	NF	100.74	18
19	NF	W	101.58	NF	101.44	103.65	108.55	109.18E	108.05	104.48	100.38	101.06	19
20	NF		101.36	NF	101.36	102.78	109.07	109.16	107.92	104.43	100.51	101.16	20
21	NF		101.15	NF	101.34	102.01	109.20	109.16	107.81	103.04	100.67	101.23	21
22	NF		100.97	NF	101.27	101.25	109.73	109.15	107.86	102.67	100.65	101.29	22
23	NF		100.84	100.57	101.20	100.53	110.23	109.09	107.77	102.33	100.54	101.35	23
24	NF		100.75	101.41	101.17	NF	110.40	109.15	107.64	102.13	100.56	101.44	24
25	NF		100.65	101.68	101.38	100.57	110.44	109.14	107.43	101.86	100.56	101.28	25
26	NF		100.58	103.80	101.50	100.61	110.48	109.12	107.13	101.40	100.56	100.98	26
27	NF		100.51	102.95	101.42	100.57	110.36	109.11	106.66	100.88	100.62	100.67	27
28	NF		100.57	102.03	101.35	100.63	110.31	109.15	106.18	100.96	100.66	100.81	28
29	NF		100.64	102.04		100.65	110.36	109.19	106.04	100.88	100.73	101.24	29
30	NF		100.68	103.02		100.79	110.42	109.30	106.25	100.69	100.66	101.38	30
31	NF		100.67	105.27		100.89		109.34		100.67	100.48		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	12-7-66	1430	107.15	3-14-67	0600	105.17	4-26-67	0900	110.51	7-8-67	0600	107.92
NR - NO RECORD	1-31-67	2100	106.70	3-17-67	1500	106.36	4-30-67	1030	110.45			
NF - NO FLOW	2-7-67	0600	107.44	4-8-67	1400	106.40	6-4-67	1000	109.47			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 06 36	120 35 24	NE31 9S 13E		110.51	4-26-67	OCT 61-SEP 62	OCT 62-DATE	1961		0.00	USCGS

Station located 5 miles northwest of Santa Rita Bridge and 5 miles west of El Nido on left bank of the San Joaquin River .5 mile above confluence with Eastside Bypass.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B07400	SAN JOAQUIN RIVER NEAR STEVINSON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	60.67	60.33	60.32	60.76	70.02	61.35	61.44	74.67	73.58	67.43	63.21	63.52	1
2	60.64	60.33	60.34	60.73	70.59	61.31	61.42	74.63	73.59	67.54	63.18	63.48	2
3	60.64	60.33	60.34	60.69	69.27	61.24	63.86	74.60	73.62	67.68	63.08	63.48	3
4	60.63	60.33	60.35	60.65	68.23	61.13	64.92	74.61	73.68	67.82	63.03	63.57	4
5	60.58	60.32	60.63	60.77	68.74	61.08	64.65	74.57	73.72	67.83	63.14	63.71	5
6	60.56	60.34	60.96	60.73	69.66	61.05	65.11	74.49	73.70	67.95	63.17	63.77	6
7	60.56	60.34	63.81	60.92	70.18	61.01	67.44	74.47	73.71	68.66	63.25	63.69	7
8	60.59	60.33	68.29	61.01	70.25	61.02	68.27	74.36	73.71	69.58	63.42	63.49	8
9	60.66	60.32	69.01	60.89	69.49	61.00	70.01	74.27	73.70	69.82	63.39	63.47	9
10	60.56	60.32	67.73	60.78	67.97	60.98	70.04	74.18	73.81	69.95	63.62	63.49	10
11	60.52	60.32	66.47	60.71	66.28	61.00	69.25	74.09	73.70	69.62	63.64	63.51	11
12	60.48	60.32	65.38	60.73	65.14	61.11	69.45	74.08	73.47	67.99	63.62	63.56	12
13	60.42	60.32	64.65	60.72	64.57	61.31	70.45	74.10	73.26	66.49	63.58	63.65	13
14	60.42	60.31	64.05	60.76	64.11	64.45	70.14	74.07	73.03	65.84	63.62	63.56	14
15	60.39	60.31	63.47	60.71	63.77	68.10	69.44	73.95	72.77	65.15	63.51	63.59	15
16	60.38	60.31	62.87	60.69	63.44	68.26	69.13	73.80	72.44	65.40	63.44	63.62	16
17	60.39	60.32	62.33	60.68	62.86	67.66	69.73	73.69	72.02	65.69	63.36	63.68	17
18	60.39	60.32	61.85	60.60	62.45	68.99	70.62	73.55	71.54	65.12	63.15	63.77	18
19	60.38	60.33	61.50	60.53	62.18	68.91	71.50	73.43	71.23	64.74	63.07	63.97	19
20	60.37	60.38	61.33	60.52	61.96	67.37	72.95	73.36	70.94	65.26	63.09	63.86	20
21	60.38	60.35	61.20	60.58	61.80	65.99	74.18	73.36	70.42	65.08	63.03	63.61	21
22	60.38	60.33	61.09	60.62	61.68	64.63	74.39	73.34	70.00	64.32	62.99	63.47	22
23	60.37	60.32	61.00	60.63	61.61	63.84	74.73	73.35	69.95	63.95	62.96	63.53	23
24	60.36	60.33	60.92	60.82	61.52	63.27	74.91	73.21	69.86	63.90	63.01	63.63	24
25	60.34	60.32	60.85	61.49	61.45	62.78	74.97	73.24	69.59	63.98	63.09	63.84	25
26	60.34	60.33	60.76	63.55	61.39	62.43	75.00	73.22	69.28	63.72	63.24	63.72	26
27	60.34	60.32	60.71	65.30	61.38	62.19	74.92	73.19	68.82	63.51	63.40	63.67	27
28	60.34	60.35	60.69	65.10	61.40	62.01	74.69	73.19	68.16	63.39	63.44	63.75	28
29	60.34	60.34	60.86	64.13		61.80	74.69	73.26	67.49	63.33	63.55	63.66	29
30	60.33	60.32	60.87	64.52		61.62	74.69	73.33	67.31	63.29	63.44	63.68	30
31	60.33		60.84	67.04		61.47		73.46		63.27	63.49		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E — ESTIMATED	12-9-66	0000	69.83	4-13-67	1400	70.51						
NR — NO RECORD	2-2-67	0400	70.82	4-26-67	0820	75.00						
NF — NO FLOW	3-18-67	2300	69.46	7-10-67	2100	70.43						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 17 42	120 51 00	26 7S 10E	13300	75.00	4-26-67	OCT 61-DATE	MAY 61-SEP 61	1961		0.00	USCGS

Station located on bridge 2.3 miles south of Stevinson on Lander Avenue.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B07375	SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	54.46	54.31	54.91	55.46	62.00	55.86	56.52	66.45	65.49	61.97	56.45	56.64	1
2	54.49	54.15	54.89	55.44	63.01	55.76	56.66	66.42	65.53	62.14	56.49	56.57	2
3	54.47	54.06	55.02	55.42	62.80	55.76	57.38	66.35	65.56	62.28	56.37	56.48	3
4	54.52	54.04	55.21	55.40	61.90	55.73	58.58	66.34	65.59	62.42	56.36	56.46	4
5	54.54	54.02	55.43	55.58	61.79	55.71	58.74	66.31	65.64	62.48	56.35	56.65	5
6	54.36	54.11	55.80	55.64	62.33	55.76	58.65	66.25	65.64	62.47	56.42	56.71	6
7	54.33	54.28	56.91	55.67	62.81	55.78	60.40	66.22	65.62	62.63	56.35	56.64	7
8	54.29	54.41	59.83	55.82	63.03	55.79	61.33	66.15	65.60	63.08	56.45	56.52	8
9	54.25	54.35	61.78	55.86	62.83	55.78	62.37	66.06	65.62	63.37	56.44	56.35	9
10	54.25	54.43	61.45	55.75	61.95	55.79	62.92	65.99	65.63	63.48	56.48	56.31	10
11	54.23	54.48	60.47	55.66	60.53	55.80	62.67	65.93	65.66	63.57	56.57	56.30	11
12	54.09	54.49	59.32	55.62	59.18	55.85	62.49	65.89	65.58	62.98	56.55	56.32	12
13	53.94	54.48	58.53	55.56	58.52	55.97	62.99	65.90	65.46	61.57	56.59	56.42	13
14	54.03	54.47	57.96	55.52	58.11	57.00	63.16	65.90	65.31	59.76	56.63	56.36	14
15	54.12	54.44	57.52	55.47	57.79	60.23	62.82	65.85	65.16	58.93	56.69	56.36	15
16	53.95	54.44	57.16	55.39	57.56	61.39	62.43	65.76	65.01	58.72	56.59	56.49	16
17	54.04	54.42	56.77	55.27	57.18	61.12	62.54	65.65	64.82	58.99	56.45	56.52	17
18	53.98	54.38	56.39	55.16	56.86	61.58	63.04	65.54	64.55	58.61	56.39	56.50	18
19	53.93	54.37	56.15	55.15	56.67	62.15	63.59	65.44	64.37	58.12	56.32	56.63	19
20	53.94	54.31	56.01	55.20	56.48	61.36	64.31	65.38	64.15	58.21	56.40	56.66	20
21	54.04	54.41	55.92	55.23	56.36	60.07	65.30	65.35	63.91	58.37	56.49	56.50	21
22	54.08	54.53	55.87	55.38	56.25	58.67	65.91	65.33	63.40	57.74	56.39	56.26	22
23	54.18	54.57	55.87	55.41	56.20	57.76	66.24	65.34	63.17	57.40	56.15	56.28	23
24	54.27	54.55	55.86	55.58	56.17	57.20	66.53	65.32	63.24	57.11	56.20	56.38	24
25	54.07	54.64	55.77	55.89	56.05	56.96	66.63	65.31	63.25	57.19	56.34	56.58	25
26	54.05	54.71	55.70	56.87	55.98	56.85	66.70	65.31	63.21	56.89	56.45	56.65	26
27	54.19	54.76	55.62	57.94	55.93	56.75	66.70	65.29	63.09	56.67	56.57	56.66	27
28	54.13	54.86	55.56	58.60	55.97	56.64	66.60	65.29	62.64	56.61	56.51	56.54	28
29	54.18	54.93	55.54	57.87		56.63	66.45	65.32	62.17	56.56	56.43	56.37	29
30	54.27	54.93	55.53	57.76		56.54	66.48	65.35	61.85	56.44	56.38	56.41	30
31	54.36		55.49	59.34		56.48		65.41		56.50	56.49		31

CREST STAGES

E -- ESTIMATED
NR -- NO RECORD
NF -- NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 9-66	1615	61.92	3-19-67	0800	62.24						
2- 2-67	2045	63.12	4-27-67	0615	66.73						
2- 8-67	1645	63.07	7-11-67	0230	63.67						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 18 35	120 55 45		5910a	71.14	4-6-58	MAR 37-DATE		1944	1957	-3.73	USCGS
				67.37b				1957	1959	-3.77	USCGS
			18900c	71.5	3-7-38			1959		0.00	USCGS
				67.7 d							

Station located 30 feet below Fremont Ford Bridge, 4.5 miles west of Stevinson, 6.7 miles upstream from the Merced River. Records furnished by U. S. Geological Survey. Drainage area is approximately 8,090 square miles. Flow records are published in U. S. Geological Survey report "Surface Water Records of California".

- a Maximum discharge of 5,910 cfs is only for San Joaquin River channel for the period 1944 to date.
- b Reflects present datum.
- c During periods of high flow (above stage of approximately 61 feet) some water bypasses the station through three overflow channels known as North, Middle, and South Mud Sloughs. Maximum discharge of 18,900 cfs is for the combined flow of the San Joaquin River and the three channels of Mud Slough. This information taken from Department of Water Resources Bulletin No. 16, Flood Flows and Stages, 1954-56.
- d Reflects present datum.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B05170	MERCED RIVER BELOW SNELLING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.27	5.28	5.48	5.30	5.61	5.34	5.38	11.43	11.00	13.68	8.75	7.45	1
2	5.30	5.31	5.47	5.28	5.39	5.71	5.38	11.28	10.91	13.65	7.78	6.42	2
3	5.26	5.36	5.52	5.28	5.30	5.39	5.39	11.38	11.08	13.63	7.59	6.35	3
4	5.22	5.33	5.49	5.29	5.24	5.28	6.05	11.43	11.10	13.64	7.28	6.39	4
5	5.38	5.30	5.59	5.30	5.22	5.22	5.86	11.50	9.43	12.87	7.72	6.55	5
6	5.40	5.37	6.28	5.27	5.21	5.20	5.75	11.45	8.51	13.27	7.82	6.61	6
7	5.29	5.41	6.05	5.25	5.33	5.20	6.85	11.40	8.14	12.75	7.77	6.68	7
8	5.24	5.44	5.69	5.23	5.36	5.25	6.45	11.42	8.19	12.85	7.27	6.59	8
9	5.22	5.44	5.46	5.22	5.36	5.50	6.20	11.47	8.37	12.80	7.46	6.29	9
10	5.23	5.41	5.31	5.22	5.35	5.51	6.19	11.44	10.45	12.76	7.61	6.30	10
11	5.24	5.41	5.21	5.20	5.35	5.58	7.30	11.30	11.05	12.61	7.63	6.44	11
12	5.45	5.42	5.19	5.20	5.38	5.62	6.97	11.37	8.78	9.42	7.27	6.57	12
13	5.43	5.44	5.19	5.20	5.39	6.10	6.77	11.39	8.37	8.55	7.54	6.44	13
14	5.51	5.44	5.18	5.20	5.36	6.45	6.76	11.35	8.36	8.85	7.66	6.22	14
15	5.53	5.40	5.17	5.20	5.34	5.98	6.78	10.79	8.60	8.83	7.52	6.23	15
16	5.52	5.35	5.47	5.21	5.32	6.42	6.76	9.95	8.59	7.88	7.47	6.21	16
17	5.54	5.38	5.50	5.22	5.31	6.66	6.56	9.09	10.73	7.50	7.40	6.27	17
18	5.55	5.33	5.43	5.22	5.33	5.73	7.14	9.33	10.98	7.75	7.43	6.30	18
19	5.54	5.32	5.44	5.23	5.34	5.84	7.60	9.49	8.99	7.87	7.46	6.28	19
20	5.55	5.37	5.44	5.23	5.33	5.95	9.27	9.51	8.72	7.81	7.46	6.31	20
21	5.54	5.37	5.34	5.23	5.28	5.93	10.67	9.44	8.42	8.01	7.57	6.27	21
22	5.52	5.47	5.32	5.25	5.27	5.76	10.91	9.97	10.56	7.63	7.63	6.13	22
23	5.46	5.47	5.42	5.25	5.29	5.67	10.87	10.86	12.26	7.72	7.74	6.25	23
24	5.37	5.40	5.46	5.42	5.42	5.55	11.18	10.89	12.94	7.62	7.74	6.13	24
25	5.32	5.39	5.42	5.66	5.40	5.84	11.55	10.87	13.18	7.62	7.77	6.15	25
26	5.34	5.40	5.40	5.46	5.41	5.73	11.57	10.73	13.75	7.45	7.80	6.21	26
27	5.36	5.38	5.36	5.37	5.40	5.36	11.47	10.81	11.81	7.71	7.78	6.13	27
28	5.38	5.39	5.32	5.33	5.37	5.53	11.40	10.83	12.36	7.57	7.83	6.10	28
29	5.34	5.40	5.37	5.37	5.37	5.52	11.50	10.83	13.70	7.55	7.87	6.05	29
30	5.29	5.50	5.35	5.91	5.45	5.45	11.49	10.87	13.70	7.62	7.53	6.06	30
31	5.28		5.32	6.08	5.42	5.42		10.78		8.00	7.82		31

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
4-20-67	1145	10.66	6-5-67	1200	11.38	6-24-67	0600	13.11	6-29-67	1930	13.81
4-21-67	2230	11.31	6-11-67	0800	11.09	6-26-67	1730	13.88	7-4-67	1900	13.69
4-26-67	0600	11.72	6-18-67	0330	11.02	6-28-67	0945	13.71	7-6-67	0430	13.56

E - ESTIMATED
NR - NO RECORD
NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 30 06	120 27 03	NE17 5S 14E	14500	17.10	1-7-65	NOV 58-DATE		1958		0.00	LOCAL

Station located 0.2 mile downstream from Merced-Snelling highway bridge, 1.4 miles southwest of Snelling. Flow regulated by Exchequer powerplant and Lake McClure. Prior to November 1958, records available for a site 3.6 miles downstream. Altitude of gage is 221 feet (from U. S. Geological Survey topographic map).

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B05155	MERCED RIVER AT CRESSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.96	10.04	10.11	10.07	11.94	10.07	10.10	17.73	16.73	21.49	13.17	12.07	1
2	9.94	10.03	10.15	10.06	10.99	10.04	10.06	17.56	16.81	21.51	12.63	11.33	2
3	9.94	10.03	10.20	10.05	10.62	10.02	10.08	17.49	16.83	21.47	12.12	10.71	3
4	10.01	10.03	10.32	10.00	10.44	10.05	10.08	17.43	17.00	21.33	11.73	10.52	4
5	10.03	10.02	10.37	9.98	10.32	10.02	10.27	17.72	16.72	20.68	11.70	10.50	5
6	10.10	10.02	10.79	9.97	10.22	9.96	11.01	17.67	14.44	20.65	12.12	10.44	6
7	10.27	10.03	12.40	9.97	10.17	9.93	12.82	17.64	13.68	20.00	12.22	10.49	7
8	10.17	10.02	11.31	9.96	10.13	9.94	12.87	17.51	13.55	19.80	11.95	10.56	8
9	10.07	10.04	10.89	9.95	10.19	9.90	11.62	17.70	13.64	19.81	11.53	10.48	9
10	9.98	10.05	10.62	9.95	10.19	9.86	11.16	17.66	13.89	19.82	11.82	10.32	10
11	10.08	10.06	10.47	10.00	10.13	9.89	13.08	17.57	16.69	19.58	11.84	10.32	11
12	10.07	10.05	10.34	10.03	10.11	10.00	12.80	17.37	16.33	18.34	11.82	10.34	12
13	10.01	10.08	10.26	10.04	10.10	11.50	11.97	17.49	13.90	14.41	11.45	10.42	13
14	10.05	10.08	10.21	9.99	10.10	12.24	11.63	17.51	13.69	14.40	11.87	10.41	14
15	10.08	10.06	10.16	9.95	10.09	11.53	11.56	17.29	14.08	14.33	11.77	10.21	15
16	10.03	10.09	10.14	9.96	10.06	10.99	11.74	15.82	13.86	13.04	11.69	10.18	16
17	9.97	10.09	10.11	9.93	10.06	12.24	11.72	15.28	14.35	12.71	11.63	10.15	17
18	10.00	10.10	10.11	9.92	10.05	11.51	12.24	14.09	16.66	12.46	11.60	10.14	18
19	10.03	10.13	10.15	9.91	10.03	10.81	13.82	14.71	16.17	12.61	11.69	10.19	19
20	9.99	10.16	10.16	9.91	10.01	10.57	13.98	14.82	14.30	12.49	11.65	10.22	20
21	9.94	10.16	10.17	9.93	10.00	10.57	16.13	14.73	13.74	12.67	11.72	10.24	21
22	10.01	10.15	10.16	10.00	10.00	10.56	18.74	14.74	13.88	11.68	11.77	10.30	22
23	10.08	10.14	10.13	10.13	10.00	10.44	17.02	16.28	17.45	12.08	11.87	10.24	23
24	10.11	10.15	10.11	10.31	10.00	10.38	17.68	16.58	19.67	12.31	12.04	10.20	24
25	10.15	10.15	10.11	11.56	10.00	10.27	17.89	16.62	19.73	12.18	12.01	10.28	25
26	10.12	10.13	10.13	10.64	10.03	10.21	18.11	16.55	21.25	12.00	12.09	10.28	26
27	10.12	10.12	10.11	10.44	10.16	10.39	17.83	16.41	18.90	11.69	12.08	10.21	27
28	10.14	10.12	10.09	10.32	10.11	10.21	17.73	16.54	20.74	12.20	12.12	10.18	28
29	10.12	10.11	10.09	10.31	10.08	10.08	17.75	16.53	19.66	11.95	12.19	10.17	29
30	10.11	10.10	10.09	12.00	10.07	10.07	17.80	16.56	21.49	11.87	12.19	10.16	30
31	10.08		10.07	13.24		10.11		16.50		12.00	11.88		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	4-7-67	1530	15.26	4-24-67	1030	18.43	6-4-67	1930	17.04	6-24-67	1530	19.95
	4-11-67	1600	15.53	4-26-67	1300	18.17	6-12-67	0500	16.84	6-27-67	0300	21.65
NR - NO RECORD	4-22-67	0830	20.55	5-25-67	1300	16.66	6-18-67	1300	16.72	6-30-67	1000	21.55
NF - NO FLOW												

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE NT.	DATE			FROM	TO		
37 25 28	120 39 47	SW 9 6S 12E	34400	22.67 32.67a	12-4-50 12-4-50	JUL 41-DATE	APR 41-JUL 41	1950 1962	1962	96.24 86.24	USCGS USCGS

Station located 150 feet downstream from McSwain Bridge, immediately north of Cressey. Prior to May 20, 1960, station located 250 feet upstream from bridge.

a Reflects present datum.

TABLE B-10 (Cont.)

WATER YEAR	STATION NO.	STATION NAME
1967	B07300	SAN JOAQUIN RIVER NEAR NEWMAN

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	48.21	48.50	49.08	49.45	54.85E	49.78	50.31	64.06	62.28	60.41	51.67	51.42	1
2	48.21	48.49	49.11	49.43	55.55E	49.68	50.44	64.03	62.47	60.59	52.07	51.51	2
3	48.19	48.47	49.18	49.43	55.40E	49.64	50.78	63.92	62.55	60.69	51.84	51.15	3
4	48.15	48.47	49.28	49.42	55.15E	49.62	51.60	63.90	62.61	60.77	51.64	50.98	4
5	48.21	48.49	49.56	49.66	54.85E	49.57	51.86	63.88	62.71	60.83	51.39	50.89	5
6	48.15	48.57	49.94	49.87	54.85E	49.59	51.77	63.85	62.67	60.64	51.54	50.86	6
7	48.12	48.74	50.56	49.93	55.55E	49.60	52.80	63.79	62.37	60.60	51.72	50.76	7
8	48.20	48.79	52.41	50.01	55.95	49.52	54.45	63.73	62.15	60.62	51.69	50.63	8
9	48.22	48.75	54.17	50.04	56.04	49.53	55.33	63.59	62.08	60.79	51.50	50.61	9
10	48.22	48.73	54.56	49.96	55.46	49.57	55.97	63.46	62.06	60.95	51.35	50.56	10
11	48.17	48.73	53.94	49.86	54.16	49.61	56.10	63.36	62.30	61.03	51.45	50.63	11
12	48.03	48.72	52.97	49.80	52.81	49.65	56.42	63.25	62.54	60.83	51.46	50.44	12
13	48.06	48.78	52.15	49.75	52.05	49.72	56.53	63.21	62.25	59.21	51.44	50.37	13
14	48.08	48.85	51.57	49.70	51.66	50.42	56.69	63.27	61.71	56.57	51.37	50.28	14
15	48.24	48.85	51.15	49.66	51.36	52.58	56.55	63.23	61.32	55.57	51.51	50.28	15
16	48.15	48.87	50.88	49.57	51.16	54.00	56.06	63.05	61.02	55.16	51.37	50.38	16
17	48.11	48.84	50.61	49.49	50.91	54.22	55.83	62.66	60.62	54.41	51.23	50.50	17
18	48.03	48.69	50.34	49.41	50.65	54.42	56.14	62.30	60.46	53.95	51.26	50.52	18
19	48.02	48.67	50.14	49.40	50.48	55.05	56.86	61.96	60.54	53.45	51.22	50.52	19
20	48.08	48.80	50.02	49.40	50.33	54.80	57.89	61.81	60.07	53.43	51.27	50.53	20
21	48.16	48.94	49.97	49.44	50.22	53.69	59.00	61.69	59.24	53.40	51.48	50.44	21
22	48.21	49.05	49.95	49.62	50.12	52.50	61.41	61.63	58.45	53.05	51.44	50.39	22
23	48.26	49.16	49.94	49.68	50.04	51.61	63.14	61.65	58.24	52.38	51.31	50.39	23
24	48.39	49.13	49.94	49.88	50.04	51.08	63.78	61.90	59.29	52.33	51.35	50.32	24
25	48.30	49.11	49.85	50.22	49.98	50.71	64.17	61.96	60.23	52.33	51.48	50.45	25
26	48.34	49.08	49.75	50.86	49.90	50.62	64.33	61.97	60.57	52.14	51.51	50.51	26
27	48.55	49.08	49.64	51.41	49.84	50.45E	64.40	61.95	60.89	51.87	51.61	50.48	27
28	48.49	49.08	49.58	51.97	49.85	50.35E	64.31	61.94	60.33	51.65E	51.72	50.46	28
29	48.39	49.12	49.53	51.68		50.20E	64.08	61.99	60.20	51.86E	51.64	50.37	29
30	48.41	49.06	49.51	51.47		50.16E	64.06	62.03	60.09	51.67	51.58	50.33	30
31	48.49		49.47	52.54		50.24		62.14		51.65	51.59		31

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-10-66	0200	54.63	4-14-67	1800	56.72	6-27-67	1330	60.97			
2-9-67	0900	56.09	4-27-67	0600	64.41	7-11-67	1015	61.05			
3-19-67	2000	55.17	6-6-67	0315	62.78						

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO OH GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 21 02	120 58 34	SW 3 7S 9E	33000a	18.50 65.81b	3-7-38	APR 12-DATE		1912		47.24	USCGS
									1959	47.31	USCGS
										0.00	USCGS

Station located at bridge on Hills Ferry Road, 300 feet below the Merced River, 3.5 miles northeast of Newman. Records furnished by U. S. Geological Survey. Drainage area is 9,990 square miles. This station equipped with DWR radio telemeter. Flow records are published in the U. S. Geological Survey report "Surface Water Records of California".

a During periods of high flow the Merced River overflows into Merced River Slough bypassing this station on the San Joaquin River. The maximum discharge of record (33,000 cfs) includes flow in Merced River Slough.

b Reflects present datum.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B07250	SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	37.75	37.91	38.42	38.91	43.84	39.29	40.22	56.20	53.80	51.41	42.11	41.57	1
2	37.78	37.92	38.47	38.88	45.17	39.18	40.32	56.16	54.02	51.66	42.25	41.64	2
3	37.79	37.90	38.50	38.86	45.93	39.11	40.59	56.12	54.21	51.78	42.37	41.47	3
4	37.77	37.88	38.58	38.86	45.75	39.10	41.30	56.05	54.31	51.90	41.97	41.25	4
5	37.83	37.90	38.78	38.97	44.91	39.04	41.65	56.00	54.45	52.00	42.20	41.16	5
6	37.80	37.96	39.15	39.25	44.67	39.05	41.70	55.97	54.50	51.90	42.20	41.07	6
7	37.71	38.11	39.99	39.35	45.12	39.04	42.40	55.93	54.26	51.77	41.91	40.95	7
8	37.72	38.18	40.93	39.42	45.63	38.99	43.90	55.87	53.89	51.78	42.03	40.83	8
9	37.79	38.14	42.79	39.48	45.90	38.94	45.14	55.71	53.70	51.89	41.96	40.80	9
10	37.80	38.11	43.83	39.46	45.65	39.03	45.85	55.50	53.65	52.15	41.71	40.83	10
11	37.80	38.12	43.64	39.37	44.54	39.23	46.29	55.35	53.76	52.26	41.80	40.99	11
12	37.72	38.12	42.81	39.29	43.05	39.23	46.53	55.21	54.17	52.21	41.78	40.79	12
13	37.67	38.13	41.93	39.24	41.99	39.35	46.80	55.08	54.14	51.36	41.74	40.70	13
14	37.60	38.20	41.28	39.17	41.44	39.74	46.93	55.12	53.56	48.66	41.66	40.59	14
15	37.71	38.23	40.80	39.13	41.07	41.26	46.95	55.15	52.95	46.72	41.71	40.55	15
16	37.76	38.25	40.48	39.07	40.82	43.63	46.60	55.04	52.50	45.96	41.64	40.59	16
17	37.66	38.24	40.21	38.98	40.57	44.88	46.23	54.65	52.05	45.35	41.52	40.62	17
18	37.60	38.14	39.94	38.89	40.30	44.39	46.33	54.16	51.65	44.74	41.50	40.80	18
19	37.59	38.07	39.71	38.85	40.10	44.75	46.87	53.66	51.70	44.17	41.47	40.76	19
20	37.60	38.14	39.57	38.85	39.92	44.92	47.89	53.34	51.47	43.99	41.44	40.67	20
21	37.62	38.27	39.48	38.89	39.79	44.11	48.90	53.14	50.65	43.93	41.71	40.58	21
22	37.65	38.35	39.43	39.71	39.69	42.85	50.94	53.04	49.80	43.76	41.66	40.55	22
23	37.70	38.45	39.42	39.62	39.62	41.69	53.50	52.97	49.22	43.12	41.51	40.59	23
24	37.80	38.49	39.42	40.53	39.69	41.04	55.11	53.20	50.15	43.00	41.51	40.56	24
25	37.80	38.46	39.36	41.64	39.61	40.59	56.01	53.37	50.91	42.82	41.68	40.68	25
26	37.69	38.43	39.26	40.72	39.48	40.44	56.43	53.42	51.50	42.72	41.67	40.70	26
27	37.88	38.43	39.14	40.97	39.37	40.44	56.64	53.43	51.94	42.46	41.72	40.64	27
28	37.92	38.43	39.05	41.45	39.33	40.36	56.67	53.41	51.71	42.21	41.89	40.58	28
29	37.80	38.46	38.99	41.41		40.19	56.39	53.45	51.45	42.25	41.81	40.54	29
30	37.81	38.44	38.98	41.63		40.06	56.18	53.52	51.17	42.13	41.72	40.48	30
31	37.88		38.92	43.33		40.03		53.61		42.10	41.72		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E — ESTIMATED	12-10-66	1800	43.94	3-16-67	2330	45.30	5-15-67	1000	55.16	6-13-67	0100	54.26
NR — NO RECORD	2- 3-67	1900	46.07	4-14-67	1000	47.00	5-27-67	0600	53.45			
NF — NO FLOW	2- 9-67	1400	45.95	4-27-67	1830	56.69	6- 6-67	1200	54.56			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 26 52	121 00 44	NW 8 6S 9E		61.9	4- 7-58	OCT 65-DATE	41-SEP 65		1959	0.00	USED
				58.4 _a	4- 7-58				1959	0.00	USGS
			16700 _b	56.69	4-27-67				1959	3.51	USED

Station located at Crows Landing Road Bridge, 4.3 miles northeast of Crows Landing.

a Reflects present datum.

b Maximum discharge since station was rated in October 1965.

TABLE B-10 (Cont.)

WATER YEAR	STATION NO.	STATION NAME
1967	B04175	TUOLUMNE RIVER AT LA GRANGE BRIDGE

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	167.16	168.80	169.22	169.63	171.70	171.42	174.21	172.37	173.47	175.90	167.22	167.20	1
2	167.22	169.28	169.23	169.66	171.99	171.32	174.13	172.05	173.50	175.58	167.18	167.20	2
3	167.24	169.28	169.23	170.35	171.80	171.19	172.88	172.07	173.50	175.43	167.23	167.20	3
4	167.31	169.29	169.23	170.13	172.09	170.34	171.28	172.06	173.47	175.48	167.20	167.20	4
5	167.18	169.28	170.02	170.03	172.07	169.46	171.72	172.01	173.72	175.34	167.20	167.19	5
6	167.23	169.28	170.90	170.03	171.90	170.00	173.88	171.98	173.72	175.50	167.20	167.62	6
7	167.18	169.32	173.08	169.53	172.07	169.91	174.66	171.93	172.91	175.46	167.20	167.12	7
8	167.22	169.28	173.96	169.35	171.91	169.82	174.63	171.73	172.89	174.75	167.20	167.07	8
9	167.46	169.28	174.47	169.85	172.06	170.06	174.53	172.14	173.57	173.14	167.20	167.06	9
10	168.70	169.26	174.00	169.70	172.08	170.75	173.79	173.65	173.69	173.30	167.20	167.06	10
11	168.65	169.28	172.71	169.72	172.08	170.41	173.10	174.33	174.03	170.78	167.20	167.07	11
12	168.66	169.29	172.33	169.54	172.04	170.03	173.79	172.18	174.00	167.48	167.20	167.07	12
13	168.66	168.93	172.10	169.60	171.76	170.87	174.76	170.58	173.21	167.21	167.20	167.08	13
14	168.82	169.30	172.19	169.35	171.91	171.52	173.40	170.89	171.06	167.52	167.24	167.12	14
15	168.84	169.34	172.18	169.31	172.00	173.97	172.03	171.63	170.44	169.46	167.28	167.21	15
16	168.97	169.28	172.19	169.55	172.11	175.50	171.99	172.48	173.37	173.07	167.27	167.23	16
17	169.14	169.30	172.18	169.60	172.10	175.56	171.78	172.60	174.20	172.99	167.27	167.22	17
18	169.32	169.11	172.21	169.73	172.07	175.57	173.59	172.65	174.21	172.30	167.27	167.23	18
19	169.33	167.46	172.21	169.76	172.02	175.52	174.92	172.99	174.66	171.96	167.26	167.22	19
20	169.32	167.42	172.25	169.81	171.99	175.45	174.89	172.51	174.90	170.21	167.25	167.22	20
21	169.32	168.75	172.27	169.46	172.07	175.39	174.59	173.10	174.90	169.52	167.28	167.22	21
22	169.30	169.29	172.27	169.29	172.08	174.07	174.64	173.25	174.74	169.35	167.30	167.22	22
23	168.56	169.14	172.28	169.72	172.06	172.37	173.65	173.17	175.11	169.25	167.30	167.21	23
24	168.84	167.39	172.32	169.78	171.61	172.19	174.09	173.10	175.26	169.93	167.30	167.22	24
25	168.69	168.44	172.34	169.52	171.42	171.56	173.68	172.75	175.24	168.31	167.28	167.22	25
26	168.67	167.41	172.38	169.73	171.15	171.39	173.31	172.09	175.23	167.51	167.23	167.21	26
27	168.68	167.39	171.96	169.37	171.50	171.15	173.29	172.49	175.27	167.41	167.22	169.00	27
28	168.65	168.70	171.26	169.24	171.47	171.00	173.30	172.80	175.20	167.47	167.21	168.31	28
29	168.65	169.28	171.41	169.28		171.09	172.87	173.16	175.41	167.30	167.24	167.45	29
30	167.45	169.24	171.36	170.07		171.34	172.30	173.47	175.82	167.26	167.22	167.11	30
31	168.55		170.61	170.31		173.39		173.49		167.25	167.21		31

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	12-9-66	1615	175.21	4-6-67	2330	174.83					
NR - NO RECORD	3-17-67	1045	175.64	6-10-67	1800	174.43					
NF - NO FLOW	3-31-67	1545	174.25	6-30-67	1900	175.94					

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 39 59	120 27 40	NW20 3S 14E	48200	188.0	12-8-50	OCT 36-SEP 60		1937		0.00	USGS
OCT 61-DATE											

Station located at highway bridge, immediately north of La Grange. Flow regulated by reservoirs and powerplants. Drainage area is 1,540 square miles.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT (IN FEET)	WATER YEAR	STATION NO.	STATION NAME
	1967	B04150	TUOLUMNE RIVER AT HICKMAN BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	70.24	71.28	71.77	72.42	73.49	73.72	75.88	73.94	74.66	76.88	68.50	68.45	1
2	70.23	71.77	71.82	72.19	74.19	73.70	75.85	73.40	74.68	76.66	68.49	68.41	2
3	70.22	71.77	71.79	72.35	74.20	73.53	75.55	73.40	74.67	76.38	68.47	68.41	3
4	70.21	71.78	71.81	72.70	74.26	73.20	73.15	73.34	74.64	76.48	68.45	68.40	4
5	70.21	71.80	72.06	72.51	74.33	72.38	73.06	73.18	74.75	76.27	68.43	68.40	5
6	70.23	71.82	73.01	72.46	74.22	72.15	74.83	73.08	75.12	76.42	68.42	68.42	6
7	70.21	71.82	74.55	72.26	74.31	72.45	76.35	73.02	74.37	76.38	68.43	68.67	7
8	70.21	71.84	76.01	71.94	74.24	72.37	76.36	72.87	73.82	76.16	68.42	68.48	8
9	70.21	71.81	76.43	71.99	74.28	72.31	76.26	72.97	74.62	74.44	68.44	68.43	9
10	70.22	71.81	77.00	72.22	74.34	72.89	76.08	74.13	74.54	73.58	68.42	68.41	10
11	71.22	71.81	75.13	72.12	74.36	73.00	74.84	75.55	75.46	73.53	68.45	68.40	11
12	71.26	71.81	74.88	72.07	74.31	72.60	74.82	74.79	75.07	69.37	68.42	68.40	12
13	71.28	71.68	74.46	72.05	74.09	72.81	76.38	71.87	75.13	69.09	68.42	68.40	13
14	71.36	71.68	74.52	71.94	74.14	73.53	75.82	71.71	73.06	69.06	68.42	68.41	14
15	71.42	71.83	74.50	71.82	74.24	73.13	73.60	72.47	71.23	69.06	68.42	68.43	15
16	71.75	71.89	74.50	71.83	74.35	77.48	73.81	73.28	73.53	73.87	68.42	68.40	16
17	71.45	71.82	74.52	72.00	74.35	77.53	73.22	73.90	75.36	73.15	68.45	68.41	17
18	71.78	71.80	74.52	72.04	74.33	77.43	74.16	73.67	75.41	73.42	68.44	68.44	18
19	71.80	71.24	74.52	72.16	74.30	77.30	76.27	74.20	75.64	72.90	68.41	68.45	19
20	71.79	70.55	74.54	72.17	74.22	77.20	76.41	73.97	76.13	71.42	68.39	68.45	20
21	71.79	70.47	74.59	72.13	74.30	77.10	76.26	73.81	76.13	70.82	68.40	68.43	21
22	71.79	71.79	74.60	71.99	74.35	76.79	76.24	74.62	76.03	70.55	68.41	68.43	22
23	71.57	71.79	74.58	71.84	74.34	74.19	75.42	74.39	76.06	69.82	68.42	68.43	23
24	71.13	71.28	74.61	72.24	73.93	74.06	75.53	74.30	76.40	69.91	68.42	68.44	24
25	71.31	70.52	74.63	72.27	73.84	73.38	75.21	74.18	76.37	70.34	68.42	68.47	25
26	71.35	71.12	74.66	72.13	73.62	73.12	74.80	73.46	76.27	69.06	68.42	68.44	26
27	71.33	70.44	74.55	72.12	73.61	72.86	74.69	73.30	76.33	68.67	68.41	68.44	27
28	71.31	70.40	73.67	71.88	73.81	72.69	74.73	73.91	76.27	68.60	68.42	69.73	28
29	71.31	71.68	73.70	71.89		72.71	74.62	74.05	76.25	68.59	68.40	69.10	29
30	71.18	71.79	73.72	72.17		72.75	73.56	74.59	76.72	68.56	68.43	68.60	30
31	70.46		73.55	72.99		74.28		74.66		68.51	68.43		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	12-10-66	0500	77.24	4-13-67	2030	76.49	6-11-67	0600	75.70			
	3-16-67	2200	77.65	4-20-67	0000	76.50	7-1-67	0600	76.96			
NR - NO RECORD	4-1-67	1630	75.93	5-11-67	0540	75.57	7-18-67	0730	74.41			
NF - NO FLOW												

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 38 10	120 45 14	NW34 3S 11E	59000	96.2	12-8-50	JUL 32-OCT 36		1932		0.00	USCGS
						JAN 37-MAR 37					
						JUL 37-FEB 38					
						JUL 38-DEC 38					
						MAR 39-DATE					

Station located at Hickman-Waterford road bridge, immediately south of Waterford. Flow regulated by reservoirs and powerplants. In August 1964, this station was moved approximately one-quarter mile downstream to a point immediately upstream of the new Hickman-Waterford road bridge.

TABLE B-10 (Cont.)

WATER YEAR	STATION NO.	STATION NAME
1967	B04130	DRY CREEK NEAR MODESTO

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	68.66	68.14	68.00	68.10	72.85	68.46	69.00	68.93	68.94	68.25	68.05	68.21	1
2	68.75	68.14	68.01	68.08	70.37	68.40	69.34	68.84	69.23	68.25	68.04	68.22	2
3	68.91	68.13	68.19	68.08	69.61	68.37	69.25	68.76	69.63	68.20	68.05	68.24	3
4	68.93	68.12	68.31	68.08	69.28	68.35	69.11	68.71	69.23	68.13	68.05	68.28	4
5	68.76	68.10	68.82	68.08	69.15	68.33	69.03	68.61	69.21	68.08	68.05	68.17	5
6	68.86	68.10	72.41	68.08	69.00	68.31	69.27	68.66	69.19	68.13	68.05	68.36	6
7	68.73	68.15	77.84	68.07	68.90	68.29	72.41	69.04	69.17	68.05	68.05	68.25	7
8	68.37	68.09	71.87	68.07	68.82	68.29	75.40	68.84	68.37	68.08	68.05	68.27	8
9	68.44	68.06	69.85	68.07	68.76	68.26	71.49	68.74	68.17	68.01	68.05	68.38	9
10	68.35	68.06	69.25	68.07	68.70	68.25	70.08	68.98	68.13	67.98	68.06	68.37	10
11	68.35	68.05	68.89	68.07	68.65	68.26	73.71	68.66	68.23	68.08	68.07	68.43	11
12	68.39	68.05	68.67	68.06	68.62	68.25	75.84	68.77	68.57	67.95	68.08	68.55	12
13	68.38	68.06	68.54	68.06	68.59	68.26	71.00	68.89	68.42	67.99	68.09	68.50	13
14	68.41	68.05	68.43	68.05	68.54	69.75	69.79	68.76	68.36	68.05	68.11	68.42	14
15	68.53	68.03	68.36	68.05	68.51	70.17	69.70	68.74	68.30	68.04	68.12	68.30	15
16	69.32	68.02	68.32	68.04	68.48	69.23	69.64	68.95	68.18	68.30	68.13	68.37	16
17	69.02	68.05	68.28	68.04	68.47	73.67	70.29	68.99	68.13	68.21	68.13	68.25	17
18	68.91	68.06	68.24	68.04	68.45	71.12	70.81	68.88	68.31	68.18	68.11	68.14	18
19	68.87	68.05	68.21	68.03	68.42	69.57	77.67	68.87	68.21	68.22	68.10	68.34	19
20	68.84	68.05	68.19	68.03	68.40	69.06	72.86	68.87	68.26	68.14	68.10	68.45	20
21	68.77	68.09	68.19	68.08	68.39	68.82	71.36	68.77	68.17	68.02	68.10	68.46	21
22	68.66	68.09	68.16	71.44	68.37	68.66	78.35	68.77	68.08	68.01	68.00	68.45	22
23	68.49	68.08	68.16	74.90	68.35	68.56	73.25	68.77	68.18	68.05	68.10	68.36	23
24	68.37	68.06	68.15	70.91	68.35	68.49	72.89	68.74	68.25	68.17	68.10	68.40	24
25	68.27	68.04	68.14	76.71	68.35	68.43	73.05	68.68	68.25	68.17	68.11	68.22	25
26	68.27	68.03	68.14	72.82	68.34	68.39	70.83	68.74	68.25	68.13	68.13	68.30	26
27	68.21	68.02	68.14	70.08	68.34	68.34	69.90	68.83	68.25	68.10	68.15	68.25	27
28	68.19	68.02	68.13	69.39	68.40	68.33	69.45	68.77	68.25	68.13	68.16	68.28	28
29	68.21	68.01	68.12	69.38		68.28	69.21	68.81	68.25	68.16	68.18	68.34	29
30	68.16	68.00	68.11	76.08		68.31	69.05	68.82	68.25	68.04	68.20	68.39	30
31	68.15		68.10	78.69		68.90		68.84		68.02	68.21		31

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-7-66	0820	79.44	1-30-67	0830	78.07	3-17-67	1045	75.70	4-19-67	1300	78.24
1-23-67	0030	78.74	1-31-67	1130	80.69	4-8-67	0045	77.56	4-22-67	1245	80.80
1-25-67	1015	78.69	3-15-67	0300	70.74	4-11-67	2245	80.17	4-24-67	2030	75.88

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LDNGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 39 26	120 55 19	SE24 3S 9E	7710	88.04	12-23-55	MAR 41-DATE		1941		0.00	USCGS

Station located 0.1 mile downstream from Claus Road bridge, 4 miles east of Modesto. Tributary to Tuolumne River. June 1930 to March 1941, records available for a site 2.5 miles downstream. Station is operated under a cooperative agreement between the Department of Water Resources and the Modesto Irrigation District. Drainage area is 192.3 square miles.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	804120	TUOLUMNE RIVER AT MODESTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41.27	41.52	41.81	42.53	43.45	43.22	47.39	46.06	46.82	51.68	41.36	41.31	1
2	41.32	41.79	41.83	42.13	43.81	43.19	48.65	45.47	46.93	51.75	41.40	41.35	2
3	41.36	41.96	41.85	42.09	44.04	43.08	48.65	45.20	47.01	51.29	41.37	41.31	3
4	41.36	41.98	41.87	42.36	43.78	42.99	46.14	45.10E	46.95	51.12	41.37	41.33	4
5	41.31	41.98	41.91	42.30	44.07	42.48	44.13	44.72	46.96	51.06	41.35	41.32	5
6	41.28	42.00	42.42	42.24	44.02	42.12	45.17	44.42	47.59	50.96	41.37	41.30	6
7	41.31	42.02	44.91	42.20	43.86	42.27	48.88	44.37	47.26	51.12	41.37	41.35	7
8	41.27	42.01	46.61	42.03	44.04	42.25	51.16	44.24	45.85	51.08	41.33	41.39	8
9	41.30	42.00	47.78	41.94	43.84	42.20	50.48	43.97	46.01	49.36	41.34	41.35	9
10	41.29	42.00	49.00	42.09	44.05	42.29	49.96	44.73	46.66	46.53	41.33	41.33	10
11	41.44	42.00	47.72	42.07	44.09	42.63	49.07	47.39	47.71	47.13	41.31	41.37	11
12	41.68	42.00	45.44	42.06	44.06	42.48	49.07	48.29	47.84	43.42	41.32	41.36	12
13	41.69	41.99	44.53	42.01	43.98	42.31	49.37	44.63	48.01	41.82	41.37	41.35	13
14	41.70	41.87	44.21	42.02	43.67	42.89	50.11	42.82	46.07	41.65	41.30	41.32	14
15	41.72	41.88	44.20	41.92	43.82	44.02	47.43	43.08	43.24	41.60	41.32	41.32	15
16	41.82	41.87	44.18	41.90	43.94	48.12	45.73	43.89	43.37	43.77	41.33	41.35	16
17	41.85	41.86	44.19	41.97	44.07	51.29	45.24	45.03	46.74	45.49	41.30	41.32	17
18	41.85	41.85	44.15	42.01	44.05	51.70	45.26	45.14	48.02	46.34	41.31	41.30	18
19	41.91	41.81	44.18	42.04	44.00	51.44	49.92	45.45	48.21	45.25	41.30	41.32	19
20	41.94	41.50	44.20	42.08	43.93	51.29	51.12	45.77	49.21	44.08	41.31	41.35	20
21	41.94	41.34	44.24	42.12	43.92	51.15	50.78	45.01	49.65	42.74	41.31	41.34	21
22	41.94	41.52	44.25	42.21	43.99	50.92	51.78	46.31	49.69	42.41	41.32	41.34	22
23	41.92	41.84	44.26	42.87	44.01	47.77	51.09	46.30	49.45	42.18	41.34	41.36	23
24	41.73	41.81	44.29	42.31	43.77	45.11	49.25	46.14	50.09	42.05	41.36	41.35	24
25	41.71	41.46	44.33	43.41	43.50	44.41	49.70	46.04	50.42	42.40	41.35	41.32	25
26	41.73	41.45	44.36	42.66	43.20	43.59	48.57	45.31	50.42	41.86	41.29	41.32	26
27	41.72	41.39	44.41	42.29	42.92	43.27	47.85	44.39	50.43	41.63	41.31	41.35	27
28	41.71	41.26	43.61	42.09	43.26	43.02	47.70	45.09	50.54	41.48	41.31	41.71	28
29	41.71	41.43	38.83	42.02		42.92	47.70	45.42	50.45	41.46	41.31	41.82	29
30	41.71	41.77	42.24	42.95		43.01	46.59	46.17	50.89	41.44	41.32	41.58	30
31	41.51		43.01	44.35		43.96		46.60		41.41	41.30		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	11- 6-66	1800	42.02	3-17-67	1800	51.84	4-22-67	2015	52.70	7-18-68	1645	46.86
NR - NO RECORD	12-10-66	2400	49.78	4- 2-67	1200	48.74	5-12-67	1430	48.41			
NF - NO FLOW	1-31-67	1630	45.66	4- 8-67	0945	51.38	7- 2-67	0015	51.85			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 37 38	120 59 20	SW33 3S 9E	57000	69.19	12-9-50	JAN 95-DEC 96 MAR 40-DATE	78- 84 91- 94	1940		0.00	USCGS

Station located at U. S. Highway 99 Bridge. Records furnished by U. S. Geological Survey. Flow records are published by the U. S. Geological Survey report "Surface Water Records of California". Drainage area is 1,884 square miles. This station equipped with DWR radio telemeter.

TABLE B-10 (Cont.)

WATER YEAR	STATION NO.	STATION NAME
1967	B04105	TUOLUMNE RIVER AT TUOLUMNE CITY

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23.47	23.85	24.95	27.95	29.90	28.66	31.77	37.94	36.78	38.19	25.50	24.89	1
2	23.48	24.38	25.11	26.71	29.50	28.58	33.80	37.87	36.91	38.34	25.52	24.91	2
3	23.58	24.99	25.18	26.38	30.16	28.49	34.08	37.66	37.03	38.24	25.50	24.89	3
4	23.62	25.24	25.22	26.71	30.19	28.25	33.04	37.56	37.10	38.10	25.41	24.88	4
5	23.59	25.25	25.35	26.88	30.24	27.56	30.46	37.44	37.11	38.12	25.31	24.89	5
6	23.50	25.29	26.10	26.67	30.15	26.56	30.43	37.31	37.29	38.01	25.36	24.79	6
7	23.59	25.38	29.18	26.57	29.96	26.46	33.20	37.26	37.37	38.10	25.39	24.80	7
8	23.57	25.32	31.42	26.22	30.18	26.58	35.92	37.20	36.87	38.06	25.26	25.01	8
9	23.54	25.28	32.52	25.86	30.17	26.43	36.32	37.08	36.54	37.57	25.24	24.89	9
10	23.56	25.26	33.59	26.01	30.34	26.45	36.11	37.08	36.73	36.34	25.16	24.87	10
11	23.58	25.28	33.96	26.20	30.35	27.30	35.74	37.58	36.90	35.94	25.14	24.89	11
12	24.32	25.26	31.83	26.12	30.13	27.26	35.81	38.04	37.23	35.14	25.15	24.88	12
13	24.60	25.25	30.78	26.01	29.84	26.85	35.52	37.28	37.33	33.10	25.26	24.89	13
14	24.65	25.09	30.15	26.00	29.44	27.48	36.43	36.34	36.98	31.64	25.13	24.86	14
15	24.64	25.09	29.98	25.82	29.42	28.78	35.49	36.24	35.75	29.37	25.08	24.78	15
16	24.89	25.33	29.87	25.69	29.50	31.95	33.42	36.43	34.84	29.00	25.06	24.83	16
17	25.17	25.36	29.86	25.72	29.64	35.66	32.76	36.67	35.61	32.04	25.07	24.83	17
18	25.10	25.30	29.81	25.87	29.65	36.82	32.11	36.63	36.41	32.24	25.07	24.75	18
19	25.32	25.26	29.83	25.95	29.61	36.90	34.53	36.37	36.56	31.89	25.05	24.74	19
20	25.39	24.68	29.84	26.05	29.54	36.95	37.01	36.30	36.91	31.03	25.08	24.82	20
21	25.40	23.91	29.87	26.20	29.49	36.93	37.22	35.92	37.26	29.25	25.04	24.77	21
22	25.37	23.80	29.92	26.33	29.55	36.74	37.63	35.95	37.21	28.38	25.00	24.81	22
23	25.37	24.79	29.92	27.81	29.60	35.21	38.30	36.16	36.96	28.02	24.98	24.85	23
24	25.06	25.10	29.97	27.01	29.52	31.87	37.63	36.08	37.02	27.41	25.04	24.83	24
25	24.57	24.55	30.03	27.87	29.07	30.75	38.40	36.13	37.34	27.53	25.03	24.75	25
26	24.68	23.85	30.07	28.40	28.77	29.70	38.57	36.12	37.59	27.25	24.94	24.74	26
27	24.68	24.11	30.10	26.98	28.37	29.21	38.57	35.82	37.68	26.40	24.94	24.73	27
28	24.63	23.67	29.68	26.40	28.53	28.82	38.55	35.88	37.83	25.99	24.87	25.00	28
29	24.57	23.57	28.63	26.10		28.58	38.57	36.10	37.82	25.83	24.85	25.91	29
30	24.56	24.58	28.55	27.16		28.59	38.32	36.31	37.86	25.73	24.88	25.59	30
31	24.40		28.50	29.16		29.20		36.61		25.62	24.88		31

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-24-66	1030	25.10	3-20-67	1430	37.00	4-23-67	0330	38.50	6-13-67	2300	37.48
12-11-66	0400	34.59	4- 3-67	1445	34.13	4-26-67	1000	38.58	7- 2-67	0900	38.37
2-10-67	1900	30.40	4- 8-67	2200	36.38	5-12-67	1400	38.07	7-18-67	2230	32.82

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 36 12	121 07 50	NW 7 4S 8E		46.65	12- 9-50	30-DATE		1959	0.00	USED	
				43.15a	12- 9-50			1960	0.00	USCGS	
			8880b	38.50	4-23-67			1960	3.50	USED	

Station located at highway bridge, 3.35 miles above mouth. Backwater at times, from the San Joaquin River, affects the stage-discharge relationship. Drainage area is 1,896 square miles.

a Reflects present datum.
b Maximum discharge since Department of Water Resources began operation of station in April 1966.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B07040	SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14.33	14.61	15.45	18.08	22.60	18.79	21.01	32.29	31.08	30.50	17.80	17.10	1
2	14.28	14.73	15.54	17.31	22.42	18.60	23.01	32.10	31.32	30.62	17.70	17.03	2
3	14.47	15.05	15.63	16.82	22.94	18.48	23.77	31.89	31.35	30.72	17.97	17.23	3
4	14.48	15.28	15.68	16.79	23.07	18.28	23.76	31.72	31.05	30.68	17.74	17.24	4
5	14.56	15.31	15.84	17.08	22.83	17.96	22.37	31.55	30.59	30.50	17.52	17.06	5
6	14.51	15.34	16.19	17.00	22.53	17.28	21.56	31.39	30.65	30.25	17.49	16.96	6
7	14.55	15.46	17.98	17.01	22.35	16.83	22.74	31.22	31.02	30.14	17.58	16.82	7
8	14.52	15.47	20.66	16.91	22.49	16.94	25.13	31.05	30.95	29.83	17.64	16.83	8
9	14.58	15.48	21.89	16.70	22.68	16.74	26.71	30.85	30.55	29.54	17.51	16.83	9
10	14.58	15.48	22.98	16.66	22.80	16.60	27.24	30.71	30.46	29.02	17.51	16.85	10
11	14.49	15.47	23.93	16.78	22.74	17.08	27.37	30.85	30.57	28.45	17.44	16.93	11
12	14.77	15.45	23.21	16.63	22.29	17.48	27.41	31.19	30.88	28.19	17.36	16.93	12
13	15.02	15.47	22.11	16.49	21.60	17.31	27.34	31.08	31.12	27.11	17.43	16.87	13
14	15.08	15.45	21.05	16.41	21.01	17.78	27.53	30.35	31.05	25.95	17.43	16.81	14
15	15.12	15.39	20.46	16.30	20.64	18.99	27.48	29.93	30.25	24.08	17.25	16.78	15
16	15.23	15.54	20.17	16.17	20.53	21.10	26.68	29.91	29.34	22.54	17.10	16.76	16
17	15.31	15.59	19.98	16.11	20.46	24.18	26.04	30.05	28.80	23.57	17.08	16.82	17
18	15.19	15.56	19.82	16.18	20.34	26.52	25.55	30.01	28.90	23.68	17.03	16.91	18
19	15.22	15.52	19.69	16.18	20.14	27.82	26.03	29.74	29.17	23.45	17.07	16.94	19
20	15.30	15.35	19.60	16.25	19.96	28.45	27.65	29.49	29.54	22.69	17.05	16.82	20
21	15.30	14.94	19.57	16.38	19.83	28.59	28.34	29.21	29.80	21.61	17.10	16.68	21
22	15.30	14.76	19.54	16.94	19.79	28.16	28.63	28.97	29.84	20.82	17.18	16.74	22
23	15.31	15.11	19.52	18.47	19.81	26.98	29.35	29.12	29.60	20.38	17.06	16.79	23
24	15.25	15.47	19.52	18.90	19.91	24.69	30.00	29.52	29.45	19.66	17.02	16.90	24
25	14.98	15.40	19.46	19.44	19.69	22.81	30.98	30.09	29.65	19.35	17.07	16.91	25
26	14.89	14.99	19.41	20.20	19.30	21.79	32.01	30.54	30.06	19.40	17.12	16.90	26
27	14.87	15.00	19.37	19.29	18.91	21.10	32.35	30.54	30.38	18.68	17.09	16.88	27
28	14.91	14.87	19.25	19.83	18.74	20.48	32.40	30.44	30.60	18.24	17.17	16.87	28
29	14.92	14.71	18.56	20.24		19.94	32.60	30.57	30.72	18.05	17.20	17.36	29
30	14.89	15.07	18.29	20.15		19.55	32.58	30.69	30.55	18.06	17.11	17.34	30
31	14.86		18.24	21.36		19.81		30.87		17.94	17.16		31

CREST STAGES

E — ESTIMATED
NR — NO RECORD
NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-21-67	1200	28.60	4-28-67	0815	32.60	6- 3-67	0600	31.40	6-21-67	1700	29.90
4-15-67	0100	27.68	4-29-67	1800	32.65	6- 7-67	2100	31.10	6-29-67	0800	30.25
4-27-67	1300	32.57	5-13-67	0200	31.30	6-14-67	0200	31.19	7- 3-67	1400	30.74

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 38 28	121 13 37	SW 29 3S 7E		39.8	12- 9-50	JAN 50-MAR 52	SEP 43-DEC 49	1943	1959	0.00	USED
				36.4a	12- 9-50		APR 52-SEP 65	1959		0.00	USCGS
			22660b	32.65	4-29-67	OCT 65-DATE		1959		3.41	USED

Station located at State Highway 132 Bridge, 13 miles west of Modesto, two miles upstream from mouth of the Stanislaus River. Gage height discharge relation affected by backwater from the Stanislaus River during high flows in the Stanislaus.

a Reflects present datum.
b Maximum discharge since station was rated in October 1965.

TABLE B-10 (Cont.)

WATER YEAR	STATION NO.	STATION NAME
1967	B03175	STANISLAUS RIVER AT ORANGE BLOSSOM BRIDGE

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.63	2.15	2.48	3.36	7.58	3.03	6.71	8.55	12.20	10.40	1.74	1.72	1
2	1.60	2.14	2.57	2.13	7.17	3.13	6.63	8.38	10.35	10.26	1.71	1.73	2
3	1.67	2.14	2.72	3.11	6.20	3.11	6.02	8.36	7.52	10.07	1.70	1.73	3
4	1.75	2.12	2.56	3.33	5.56	3.15	5.34	8.35	6.90	8.20	1.70	1.71	4
5	1.68	2.11	3.69	3.35	5.56	3.16	5.20	8.21	8.17	8.23	1.71	1.74	5
6	1.62	2.12	7.19	3.35	5.55	3.18	6.17	7.55	9.75	7.32	1.75	1.73	6
7	1.67	2.15	7.82	3.34	5.55	2.93	9.38	7.04	9.39	5.37	1.81	1.72	7
8	1.63	2.12	6.40	3.35	5.57	2.08	9.46	6.60	9.79	3.66	1.78	1.72	8
9	1.59	2.10	5.98	3.35	5.57	2.04	9.23	7.16	10.26	3.63	1.79	1.73	9
10	1.68	2.11	5.85	3.09	5.57	1.94	8.91	7.04	10.56	3.40	1.81	1.75	10
11	1.68	2.13	5.77	2.22	5.57	2.00	9.18	7.05	10.87	3.00	1.80	1.74	11
12	1.60	2.14	5.15	2.16	5.58	3.52	8.62	7.20	10.16	2.26	1.79	1.73	12
13	1.64	2.15	4.06	2.10	5.57	5.80	8.32	7.20	9.07	2.19	1.83	1.72	13
14	1.71	2.14	4.07	2.08	5.56	5.82	8.10	7.15	9.25	3.01	1.84	1.74	14
15	1.70	2.12	4.07	2.04	5.57	5.76	8.49	7.15	8.56	3.30	1.79	1.70	15
16	1.68	2.15	4.06	2.09	5.53	8.42	8.62	7.14	7.25	4.35	1.78	1.70	16
17	1.72	2.00	4.04	2.03	5.20	12.55	8.64	7.09	7.28	5.37	1.76	1.65	17
18	1.76	2.00	4.05	1.97	4.92	12.54	9.34	7.26	9.45	3.44	1.76	1.64	18
19	1.88	2.00	4.08	1.99	4.92	11.87	9.23	7.19	10.54	3.37	1.77	1.64	19
20	3.08	2.03	4.08	1.97	4.92	11.16	9.17	7.06	10.21	2.72	1.77	1.63	20
21	3.09	2.01	4.13	2.63	4.91	8.99	9.56	7.18	10.21	2.55	1.76	1.64	21
22	3.09	2.09	4.13	8.53	5.22	7.73	9.38	9.42	10.49	1.97	1.76	1.64	22
23	3.11	2.14	4.03	5.28	5.53	7.21	9.24	12.76	11.28	1.93	1.78	1.66	23
24	3.10	2.20	3.44	6.09	5.35	7.21	9.33	13.26	11.27	1.93	1.80	1.62	24
25	3.50	2.19	3.41	6.07	4.39	7.13	9.17	12.47	11.21	1.88	1.76	1.60	25
26	3.53	2.16	3.41	7.11	4.37	6.77	9.04	12.35	11.30	1.88	1.76	1.61	26
27	3.59	2.19	3.38	9.61	4.35	6.16	8.94	12.46	11.16	1.87	1.75	1.61	27
28	3.41	2.15	3.37	8.78	3.64	5.44	8.84	12.34	10.77	1.87	1.76	1.68	28
29	3.19	2.23	3.36	7.48		4.89	8.75	12.36	10.48	1.87	1.76	1.62	29
30	3.10	2.31	3.36	7.93		4.51	8.66	12.45	10.48	1.87	1.76	1.62	30
31	3.04		3.38	7.86		5.01		12.55		1.90	1.76		31

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-27-66	1300	3.73	1-27-68	1930	9.84	5-24-67	1600	13.74			
12-7-66	0040	9.17	3-17-68	1300	12.68	6-23-67	1330	11.35			
1-22-67	0700	10.67	4-7-68	0615	9.80						

E -- ESTIMATED

NR -- NO RECORD

NF -- NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 47 18	120 45 41	SW 4 2S 11E	62000E (Revised)	31.8	12-23-55	JUN 28-DEC 39 APR 40-DATE				0.00	LOCAL

Station located at bridge, 5.0 miles east of Oakdale. Flow regulated by reservoirs and powerplants. Drainage area is 1,020 square miles. Equipped with radio telemeter.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B03145	STANISLAUS RIVER AT RIVERBANK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	72.48	72.99	73.65	75.14	80.02	74.98							1
2	72.47	72.96	73.89	74.39	79.86	74.90							2
3	72.50	72.96	74.21	73.95	78.60	74.88							3
4	72.65	72.96	74.14	75.04	77.92	74.87							4
5	72.67	72.97	74.32	75.09	77.72	74.90							5
6	72.61	73.01	78.11	75.08	77.68	74.90							6
7	72.59	73.05	80.49	75.07	77.68								7
8	72.51	73.10	78.94	75.07	77.68								8
9	72.49	72.99	78.26	75.07	77.67								9
10	72.46	72.97	78.04	75.09	77.67								10
11	72.48	72.98	77.93	73.92	77.66								11
12	72.50	72.97	77.79	73.42	77.64								12
13	72.50	72.97	76.30	73.25	77.64								13
14	72.48	72.99	76.11	73.17	77.65								14
15	72.49	73.01	76.09	73.09	77.63								15
16	72.60	73.09	76.07	73.06	77.62								16
17	72.57	73.08	76.05	73.31	77.43								17
18	72.52	73.02	76.02	72.98	76.98								18
19	72.50	73.02	76.06	72.95	76.97								19
20	72.57	73.08	76.07	73.00	76.96								20
21	72.87	73.10	76.08	73.15	76.96								21
22	72.99	73.11	76.08	79.43	77.04								22
23	72.99	73.18	76.09	78.06	77.56								23
24	72.98	73.28	75.46	77.90	77.58								24
25	72.98	73.35E	75.19	78.43	76.72								25
26	73.07	73.36	75.19	78.31	76.41								26
27	73.10	73.35	75.14	81.84	76.39								27
28	73.10	73.39	75.13	82.17	76.02								28
29	73.08	73.35	75.14	80.11									29
30	73.05	73.45	75.13	80.07									30
31	73.01		75.13	80.89									31

STATION DISCONTINUED MARCH 7, 1967

CREST STAGES

E — ESTIMATED
NR — NO RECORD
NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-7-66	0840	81.15	1-28-67	0430	82.53						
1-10-67	1500	75.13	1-31-67	0100	81.37						
1-22-67	1800	82.55	2-23-67	2000	77.57						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 44 31	120 56 21	SW24 2S 9E	85800	103.18	12-23-55	JUL 40-MAR 67		1940		0.00	USCGS

Station located at Burneyville Bridge, immediately north of Riverbank. Drainage area is 1,055 square miles. Station discontinued on March 7, 1967.

TABLE B-10 (Cont.)

WATER YEAR	STATION NO.	STATION NAME
1967	B03125	STANISLAUS RIVER AT RIPON

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	36.71	36.93	37.34	39.92	49.47	41.20	45.05	51.53	55.95	54.14	38.84	38.73	1
2	36.63	36.92	37.54	39.82	48.84	40.33	46.97	51.27	55.71	54.08	38.84	38.61	2
3	36.69	36.91	37.74	38.62	47.73	40.25	47.00	51.22	54.28	53.98	38.72	38.63	3
4	36.79	36.91	38.08	39.26	46.19	40.14	45.80	50.99	51.07	53.42	38.58	38.71	4
5	36.98	36.91	38.11	39.74	45.28	40.12	44.77	50.98	49.77	51.51	38.49	38.58	5
6	37.13	36.95	39.88	39.79	45.06	40.09	44.53	50.66	51.89	51.16	38.53	38.58	6
7	36.90	36.99	45.79	39.80	44.93	40.08	47.64	49.41	53.23	48.96	38.65	38.61	7
8	36.87	37.00	47.02	39.79	44.87	39.66	52.03	48.43	53.13	45.71	38.61	38.65	8
9	36.69	37.00	45.33	39.78	44.84	38.92	52.56	47.75	53.48	43.90	38.51	38.36	9
10	36.85	36.95	44.69	39.79	44.81	38.60	52.36	49.12	53.94	43.53	38.55	38.80	10
11	37.53	36.94	44.46	39.45	44.78	38.22	52.25	48.70	54.29	42.78	38.75	39.02	11
12	37.27	36.94	44.36	38.30	44.75	38.07	52.24	48.79	54.56	42.06	38.72	39.05	12
13	36.77	36.94	43.40	37.96	44.74	40.77	51.49	48.82	53.83	41.20	38.58	39.15	13
14	36.68	36.94	41.81	37.77	44.73	44.13	50.89	48.83	52.73	41.05	38.67	38.81	14
15	36.68	36.96	41.58	37.66	44.71	44.51	50.58	48.73	52.70	41.47	38.48	39.04	15
16	36.73	36.99	41.49	37.57	44.68	44.67	51.06	48.64	51.35	42.00	38.48	39.29	16
17	36.77	37.02	41.43	37.54	44.59	49.90	51.28	48.53	49.70	43.82	38.56	39.22	17
18	36.69	37.00	41.37	37.49	44.01	54.92	51.61	48.42	50.11	43.92	38.49	39.26	18
19	36.64	36.98	41.35	37.43	43.60	55.70	52.84	48.62	52.79	42.05	38.26	39.09	19
20	36.65	37.00	41.38	37.42	43.53	55.38	52.70	48.39	53.77	41.59	38.52	39.11	20
21	36.67	37.02	41.40	37.50	43.48	54.65	52.48	48.25	53.67	40.94	38.82	39.34	21
22	36.81	37.03	41.41	40.34	43.44	52.41	52.99	48.65	53.72	40.70	38.59	39.61	22
23	36.89	37.03	41.41	47.65	44.04	49.91	52.86	51.92	54.08	40.25	38.61	39.55	23
24	36.91	37.08	41.17	44.39	44.44	48.76	52.69	55.24	54.73	39.93	38.68	39.59	24
25	36.91	37.15	40.33	45.93	43.97	48.53	52.65	56.09	54.87	39.70	38.43	39.61	25
26	36.91	37.21	40.15	45.41	42.71	48.19	52.45	55.86	54.86	39.61	38.23	39.47	26
27	36.96	37.22	40.08	47.80	42.54	47.53	52.25	55.79	54.84	39.29	38.64	39.38	27
28	36.97	37.23	40.01	51.21	42.34	46.37	52.08	55.83	54.82	39.13	38.51	39.53	28
29	36.98	37.26	39.98	50.47		45.12	51.86	55.80	54.46	38.93	38.35	39.67	29
30	36.97	37.25	39.96	48.80		44.18	51.72	55.83	54.14	39.06	38.29	39.78	30
31	36.96		39.93	49.84		43.58		55.88		39.18	38.47		31

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-8-66	0130	47.77	4-2-67	1915	47.08	5-25-67	0945	56.19	6-25-67	1600	54.89
1-28-67	2330	51.67	4-9-67	1130	52.59	6-1-67	0730	56.16	7-18-67	0115	45.89
3-19-67	0900	55.78	4-22-67	1715	53.16	6-12-67	1115	54.61			

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO OH GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 43 50	121 06 35	SE29 2S 8E	62500	63.25	12-24-55	APR 40-DATE		1940		0.00	USGS

Station located 15 feet downstream from the Southern Pacific Railroad Bridge, 1.0 mile southeast of Ripon. Records furnished by U. S. Geological Survey. Flow records are published in U. S. Geological Survey report "Surface Water Records of California". Drainage area is 1,075 square miles.

TABLE B-10 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	B03115	STANISLAUS RIVER AT KOETITZ RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	27.14	27.25	27.67	30.38	39.30	31.94	35.18	41.66	45.88	44.11	29.77	29.43	1
2	27.00	27.23	27.82	30.32	38.60	30.98	37.24	41.46	45.79	44.09	29.74	29.54	2
3	27.21	27.22	28.04	29.49	37.89	30.82	37.37	41.29	44.94	43.98	29.66	29.66	3
4	27.26	27.22	28.33	29.44	36.45	30.69	36.58	41.10	42.15	43.73	29.48	29.80	4
5	27.42	27.22	28.48	30.12	35.52	30.65	35.50	40.99	40.21	42.05	29.47	29.66	5
6	27.65	27.25	29.20	30.21	35.27	30.62	35.22	40.80	41.61	41.30	29.51	29.67	6
7	27.58	27.32	34.43	30.23	35.18	30.60	37.13	39.82	43.10	39.71	29.45	29.57	7
8	27.37	27.31	36.91	30.23	35.13	30.38	41.01	38.89	43.23	36.68	29.42	29.73	8
9	27.44	27.34	35.61	30.24	35.10	29.61	42.00	38.17	43.36	34.75	29.36	29.52	9
10	27.40	27.31	34.89	30.22	35.05	29.26	42.02	39.15	43.79	34.28	29.36	29.95	10
11	27.81	27.28	34.62	30.06	35.05	28.98	41.86	39.13	44.17	33.66	29.66	30.01	11
12	28.05	27.27	34.52	29.03	35.00	28.75	41.99	39.10	44.46	32.89	29.76	30.04	12
13	27.43	27.26	33.98	28.55	34.98	30.26	41.39	39.17	44.19	32.08	29.68	30.04	13
14	27.43	27.26	32.36	28.28	34.97	33.97	40.82	39.15	43.06	31.85	29.62	29.80	14
15	27.10	27.27	32.03	28.13	34.95	34.60	40.51	38.96	42.79	32.23	29.35	29.80	15
16	27.21	27.30	31.92	28.02	34.92	34.75	40.84	38.84	42.04	32.65	29.42	30.20	16
17	27.16	27.32	31.84	27.95	34.87	38.21	41.04	38.78	40.13	34.05	29.39	30.15	17
18	27.12	27.32	31.79	27.94	34.43	43.10	41.26	38.66	40.01	35.07	29.52	30.24	18
19	26.97	27.29	31.75	27.89	33.97	45.49	42.22	38.74	42.08	32.91	29.18	30.07	19
20	26.92	27.32	31.78	27.84	33.87	45.53	42.53	38.62	43.55	32.54	29.52	30.00	20
21	26.94	27.34	31.79	27.90	33.82	44.99	42.28	38.45	43.65	31.75	29.75	30.19	21
22	27.02	27.35	31.81	29.24	33.78	42.89	42.58	38.71	43.65	31.68	29.54	30.49	22
23	27.11	27.36	31.82	36.97	34.18	40.31	42.75	40.91	43.85	31.27	29.50	30.54	23
24	27.20	27.38	31.69	34.85	34.67	38.99	42.55	44.29	44.50	30.85	29.60	30.68	24
25	27.18	27.43	30.95	35.67	34.43	38.66	42.56	45.95	44.79	30.52	29.40	30.65	25
26	27.18	27.58	30.67	35.65	33.21	38.38	42.44	45.87	44.82	30.53	29.30	30.42	26
27	27.24	27.61	30.57	36.69	32.95	37.82	42.30	45.74	44.79	30.27	29.52	30.23	27
28	27.30	27.61	30.48	40.12	32.82	36.86	42.12	45.80	44.78	31.12	29.39	30.38	28
29	27.31	27.62	30.42	40.31		35.80	41.95	45.78	44.54	30.11	29.31	30.59	29
30	27.30	27.62	30.39	38.72		34.89	41.82	45.80	44.20	29.97	29.31	30.65	30
31	27.28		30.38	39.18		34.36		45.82		29.76	29.23		31

CREST STAGES

E — ESTIMATED
NR — NO RECORD
NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-8-66	0635	37.25	3-19-67	2000	45.70						
1-23-67	1200	38.05	4-23-67	0030	42.86						
1-29-67	0500	40.83	5-25-67	1400	46.16						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 41 57	121 10 08	SW 2 3S 7E				OCT 62-DATE	MAR 50-SEP 62	1950	1951	0.00	USED
								1951		0.00	USED
								1951		3.60	USCGS

Station located on left bank 9.35 miles upstream from mouth 0.6 mile northwest of Bacon and Gages road junction, 3.7 miles southwest of Ripon.

TABLE B-10 (Cont.)

WATER YEAR	STATION NO.	STATION NAME
1967	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.39 ^a	10.83	11.63	14.35 ^a	19.54	15.55	17.65	28.93	28.08	27.38	14.12	13.20	1
2	10.40 ^a	10.85	11.75 ^a	13.80 ^a	19.37	15.23	19.58	28.73	28.28	27.50	13.95	13.30	2
3	10.56 ^b	11.16	11.95 ^a	13.45 ^a	19.71	15.07	20.39	28.55	28.30	27.60	14.07	13.43	3
4	10.67	11.43	12.05 ^a	13.30 ^b	19.72	14.88	20.47	28.38	27.89	27.58	14.01	13.47	4
5	10.74	11.43	12.15 ^b	13.65	19.41	14.65	19.30	28.23	27.32	27.34	13.74	13.34	5
6	10.77	11.45	12.31 ^a	13.62	19.11	14.12	18.48	28.08	27.28	27.01	13.68	13.17	6
7	10.85	11.58	14.43	13.63	18.90	13.72	19.18	27.90	27.73	26.84	13.71	13.11	7
8	10.77	11.61	17.40 ^a	13.57	18.95	13.77	21.63	27.68	27.79	26.35	13.77	13.08 ^b	8
9	10.86	11.62	18.40 ^a	13.36	19.13	13.50	23.45	27.48	27.41	25.86	13.68	12.97	9
10	10.87	11.63	19.20 ^a	13.29	19.26	13.31	24.07	27.33	27.30	25.30	13.62	13.11	10
11	10.74	11.63	20.07 ^b	13.41	19.29	13.48	24.24	27.43	27.42	24.61	13.52	13.27	11
12	10.97	11.60	19.80 ^b	13.20	19.03 ^a	14.87	24.28	27.74	27.69	24.24	13.58	13.26	12
13	11.14	11.61	18.70 ^a	12.97 ^a	18.43 ^a	13.78	24.19	27.81	27.95	23.25	13.62	13.08	13
14	11.19	11.59	17.60 ^a	12.89 ^a	17.90 ^a	14.73	24.24	27.15	27.89	22.10	13.58	13.05	14
15	11.26	11.52	16.90 ^a	12.71 ^a	17.49 ^a	15.86	24.28	26.63	27.14	20.52	13.41	12.98	15
16	11.34	11.65	16.60 ^a	12.52 ^a	17.41 ^a	17.32	23.68	26.52	26.21	NR	13.32	13.10	16
17	11.42	11.73	16.44 ^a	12.46 ^a	17.36 ^a	20.22	23.08	26.60	25.45	19.59	13.25	13.23	17
18	11.33	11.71	16.30 ^a	12.47 ^a	17.15 ^a	23.06	22.63	26.62	25.41	20.05	13.18	13.30	18
19	11.27	11.68	16.20 ^b	12.50 ^a	16.93 ^a	24.63	22.86	26.35	25.75	19.74	13.13	13.38	19
20	11.34	11.57	16.12	12.52 ^a	16.75 ^a	25.39	24.32	26.09	26.27	19.12	13.20	13.27	20
21	11.38	11.17	16.09	12.60 ^a	16.72 ^a	25.59	25.08	25.80	26.65	18.12	13.30	13.17	21
22	11.38	10.97	16.07	13.17	16.60 ^a	25.17	25.34	25.52	26.70	17.21	13.31	13.25	22
23	11.44	11.20 ^a	16.05	15.30	16.60 ^a	24.02	25.98	25.67	26.52	16.74	13.16	13.35	23
24	11.44	11.60 ^a	16.04	16.09	16.82 ^a	21.82	26.65	26.25	26.37	16.14	13.16	13.43	24
25	11.17	11.65 ^a	15.92	16.23	16.63	20.00	27.48	26.96	26.57	15.78	13.21	13.52	25
26	10.98	11.25	15.80	17.22	16.22	19.08	28.56	27.55	26.93	15.81	13.15	13.49	26
27	10.98	11.16	15.75	16.49	15.80	18.40	28.97	27.57	27.30	15.06	13.13	13.45	27
28	11.01	11.14	15.68	17.23	15.59	17.79	29.03	27.46	27.52	14.54	13.26	13.37	28
29	11.05	10.98	15.14	17.80		17.19	29.20	27.58	27.64	14.27	13.28	13.58	29
30	11.02	11.20 ^a	14.83	17.53		16.70	29.22	27.68	27.49	14.28	13.21	13.83	30
31	11.03		14.78	18.33		16.77		27.87		14.28	13.29		31

CREST STAGES

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	12-11-66	1800	20.22	4-4-67	0830	20.59	4-30-67	0200	29.28	6-29-67	1200	27.68
NR - NO RECORD	2-3-67	1800	19.80	4-12-67	2100	24.35	6-3-67	0400	28.36			
NF - NO FLOW	3-21-67	1200	25.62	4-15-67	0400	24.35	6-14-67	0100	28.01			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 40 34	121 15 51		79000	27.75	12- 9-50	JUL 22-DEC 23		1931	1959	8.4	USED
				32.81 ^a	12- 9-50	JAN 24-FEB 25					
						JUN 25-OCT 28		1931	1959	5.06	USCGS
						MAY 29-DATE		1959		0.00	USCGS

Station located 80 feet upstream from the Durham Ferry Highway Bridge, 3 miles downstream from the Stanislaus River, 3.4 miles northeast of Vernalis. Records furnished by U. S. Geological Survey. Drainage area is approximately 13,540 square miles. This station equipped with DWR radio telemeter.

^a Reflects present datum.

TABLE B-11
CORRECTIONS AND REVISIONS
TO
PREVIOUSLY PUBLISHED REPORTS

This table shows corrections and revisions to surface water measurement data of the Bulletin 130 series of reports not previously published in Bulletin 130-66, Volume IV.

For other corrections and revisions to previously published reports dating back to 1924, refer to page 160, Table B-11, Bulletin 130-66, Volume IV.

TABLE B-11

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS

PAGE	MILE & BANK	LOCATION OF ERROR		ITEM	CHANGE	
		NAME			FROM	TO
		Bulletin No. 130-63 Hydrologic Data <u>1963</u> Volume IV, San Joaquin Valley				
B-19		Table B-9	Miami Creek near Oakhurst	Maximum Discharge 1963 Water Year	1140E	804
				Maximum Discharge of record	1140E	804
B-29		Table B-19	Bear Creek near Cathay	Maximum Discharge flow 1963 Water gage ht. Year	3850E 9.98	4170E 10.07
				Maximum Discharge flow of record gage ht.	3850E 9.98	4170E 10.07
		Bulletin No. 130-64 Hydrologic Data <u>1964</u> Volume IV, San Joaquin Valley				
68		Table B-4	Miami Creek near Oakhurst	Maximum Discharge of record	1140E	804
78		Table B-4	Bear Creek near Catheys Valley	Maximum Discharge flow of record gage ht.	3850E 9.98	4170E 10.07
		Bulletin No. 130-65 Hydrologic Data <u>1965</u> Volume IV, San Joaquin Valley				
61		Table B-5	Miami Creek near Oakhurst	Maximum Discharge of record	1140E	804
72		Table B-5	Bear Creek near Catheys Valley	Maximum Discharge flow of record gage ht. date	4166E 9.97 1-7-65	4170E 10.07 2-1-63
82		Table B-5	Orestimba Creek near Crows Landing	Daily Mean Discharge Jan. 8 9 10 11 12 13 14 15 16 17	0.0 B 0.0 A 0.0 C 0.0 K 0.0 W 0.0 A 0.0 T 0.0 E 0.0 R 0.0	NR NR NR NR NR NR NR NR NR NR
115	112.55R	Table B-7	Diversions - San Joaquin River	L. A. Thompson	Delete Entire Line	
		Bulletin No. 130-66 Hydrologic Data <u>1966</u> Volume IV, San Joaquin Valley				
76		Table B-4	Bear Creek near Catheys Valley	Maximum Discharge flow of record gage ht. date	4166E 9.97 1-7-65	4170E 10.07 2-1-63
78		Table B-4	Burns Creek at Hornitos	Maximum Discharge 1966 Water Year	1330E	2020E
133		Table B-9	Exports from Tuolumne River	Total acre-feet	Oct. Nov. Dec. Jan. Feb. March April May June July Aug. Sept. Total	15655 12685 14987 7812 11913 15566 11060 15208 18388 21398 21312 19498 185482 15696 12721 15023 7851 11946 12607 11106 15260 18438 21462 21379 19552 183041

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024																																																								
Population	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000

APPENDIX C
GROUND WATER MEASUREMENT

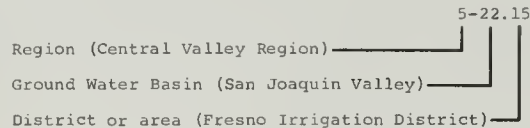
INTRODUCTION

The Department of Water Resources cooperates with the U. S. Geological Survey, U. S. Bureau of Reclamation, irrigation and water storage districts, and other local agencies for the systematic observation of ground water levels. The Department obtains approximately 13,000 water level measurements annually on some 7,500 wells in the San Joaquin Valley. The period of record for these wells varies from one to over 40 years. In preparation of the ground water maps most of the spring well measurements were used. However, because significant trends in water level fluctuations can be indicated by a representative sample, a selection was made of approximately 800 wells for reporting of actual measurements.

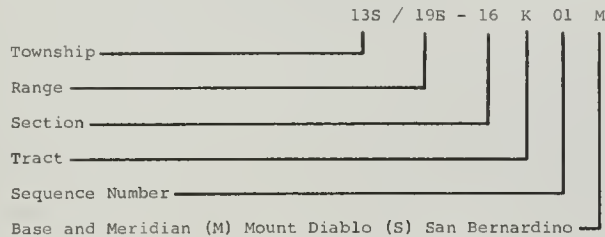
This appendix presents ground water measurement data on these 800 wells for the period October 1, 1966, through September 30, 1967. These wells were selected as being representative of all the wells measured in the area and are designated as selected wells. Their selection is based on a number of factors, including areal distribution, length of water level record, frequency of measurements, conformity with respect to water level fluctuation in the ground water basin or area in a confined aquifer, or in a zone of shallow depth, and availability of a log, mineral analyses, and production record.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System as described below.

The regions used in this report are geographic areas defined in Section 13040 of the Water Code. That portion of California covered by this volume comprises the southern portion of Central Valley Region No. 5. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and district or area as follows:



The State Well Numbering System is based on township, range, and section subdivisions of the Public Land Survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



This number identifies and locates the well. In the example, the well is in Township 13 South, Range 19 East, Tract K of Section 16, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

D	C	E	A
E	F	G	H
M	L	K	J
N	P	Q	R

Sequence numbers in a tract are generally assigned in chronological order. The example designates the first well to be assigned a number in Tract K.

Figure C-I. FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

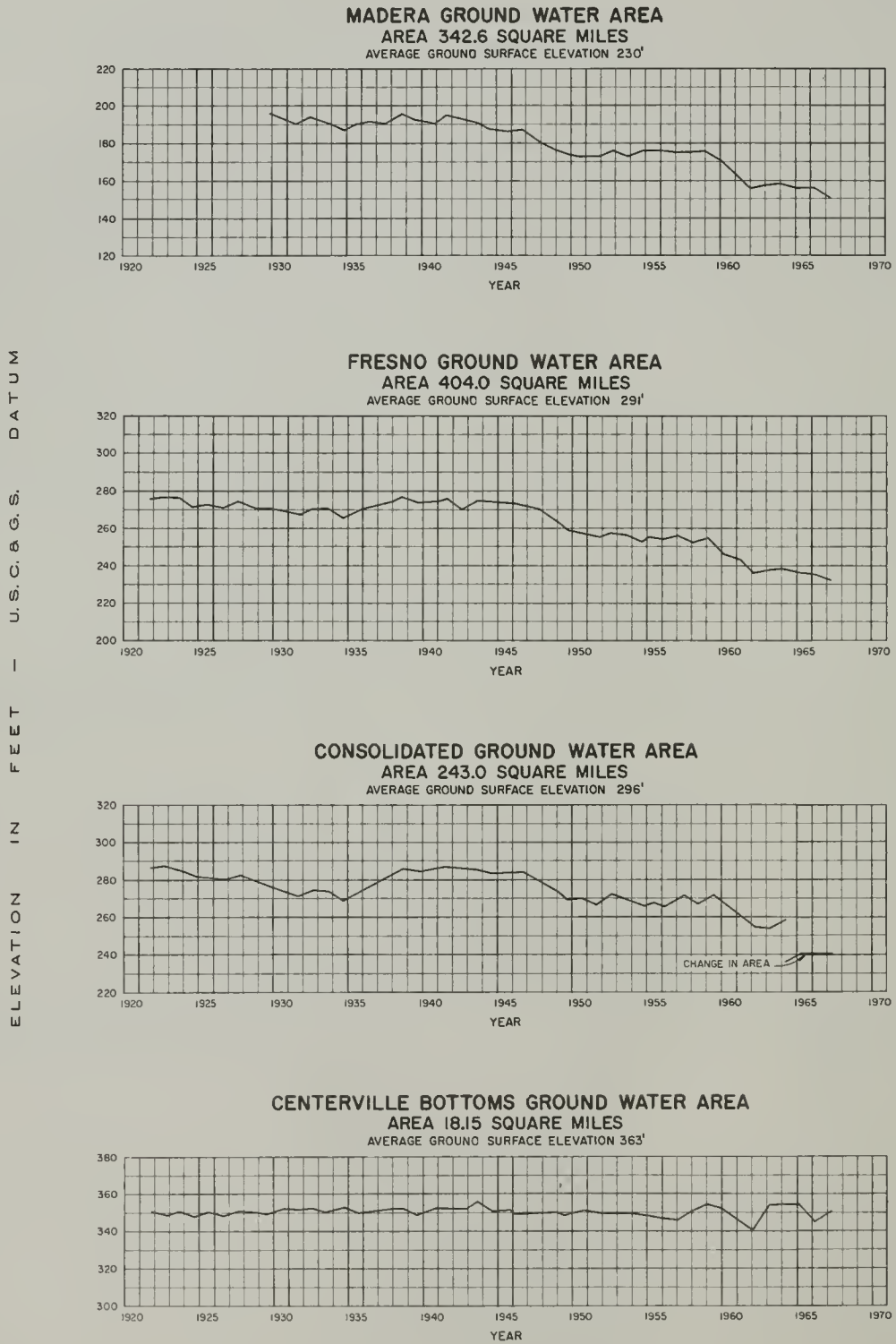


Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

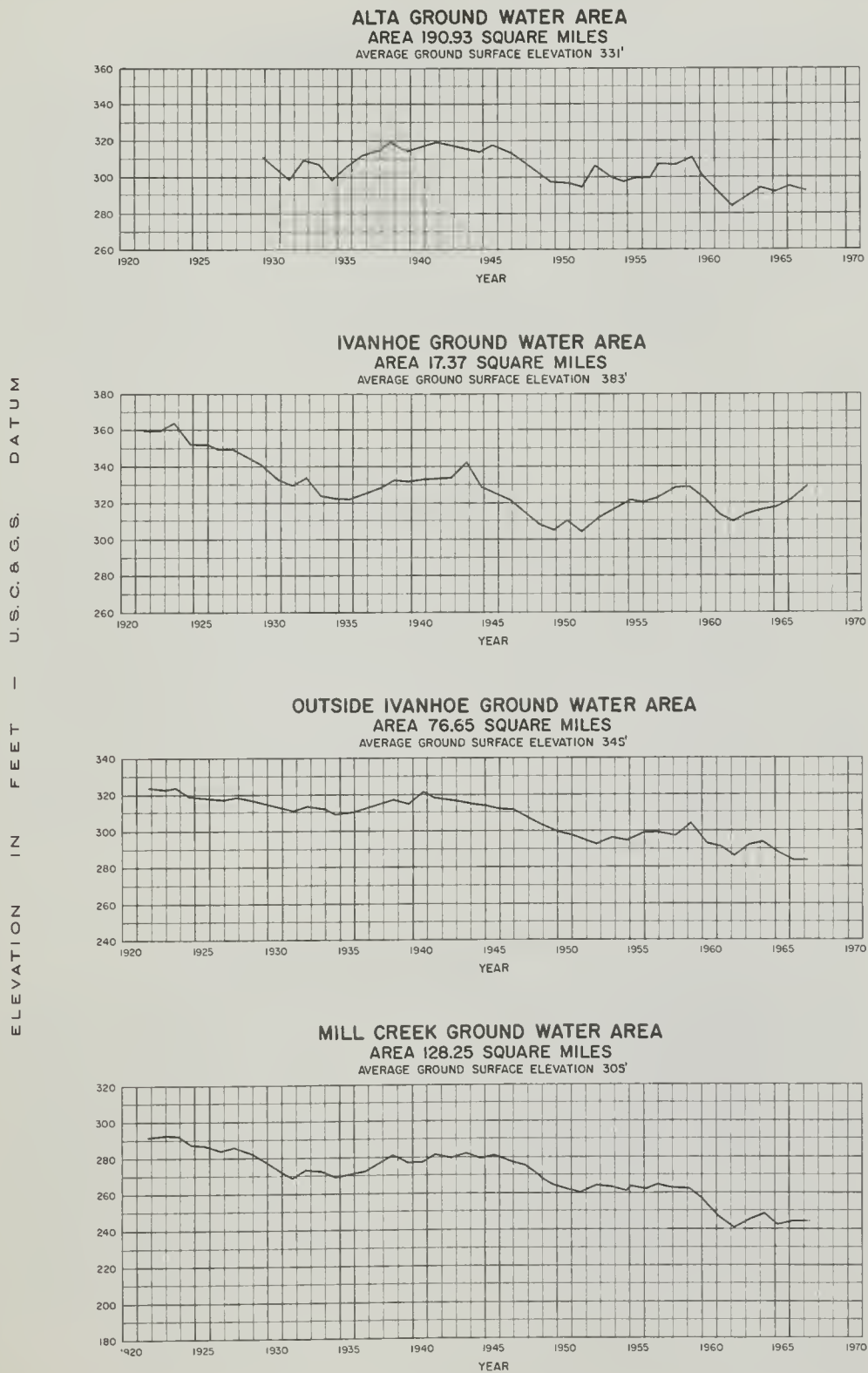
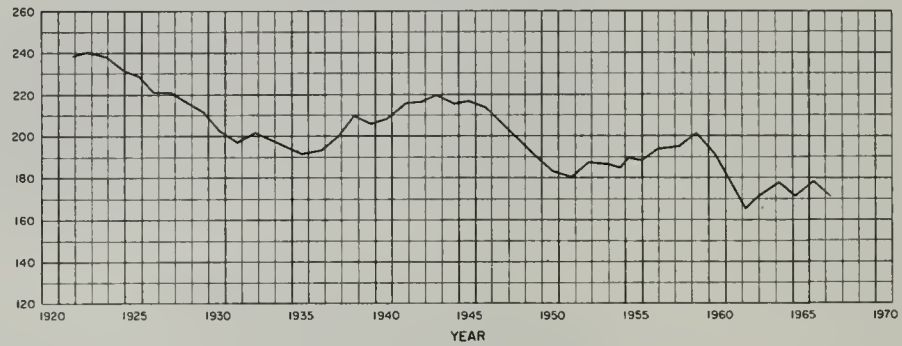


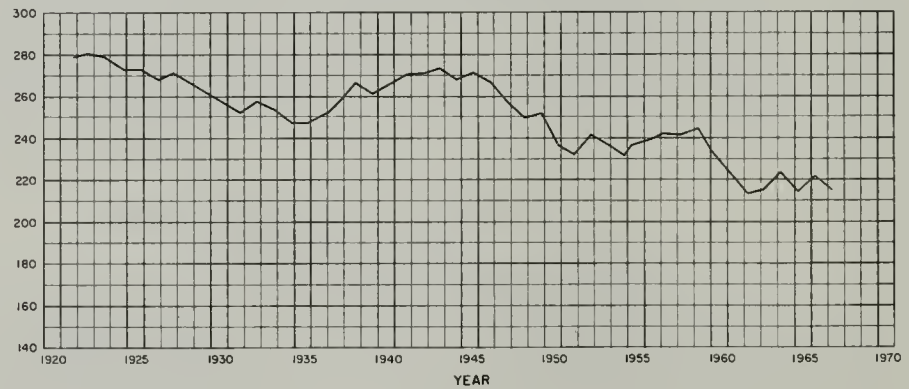
Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

DATUM
 U. S. C. & G. S.
 FEET
 IN
 ELEVATION

TULARE GROUND WATER AREA
 AREA 121.07 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 363'



ELK BAYOU GROUND WATER AREA
 AREA 67.6 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 295'



LINDSAY-EXETER GROUND WATER AREA
 AREA 136.43 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 377'

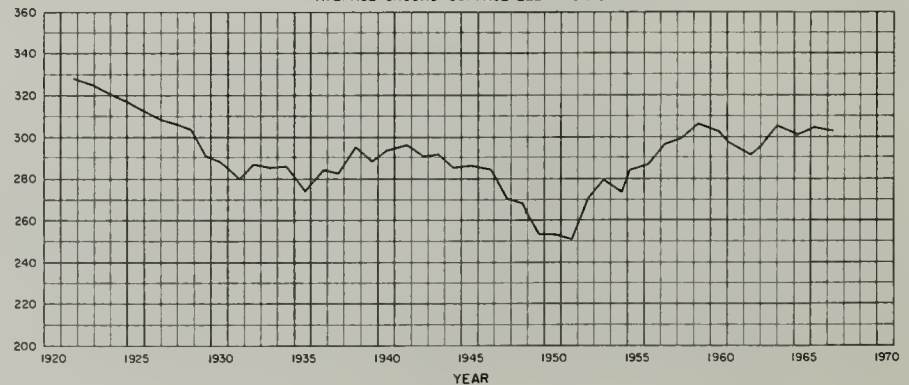


Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

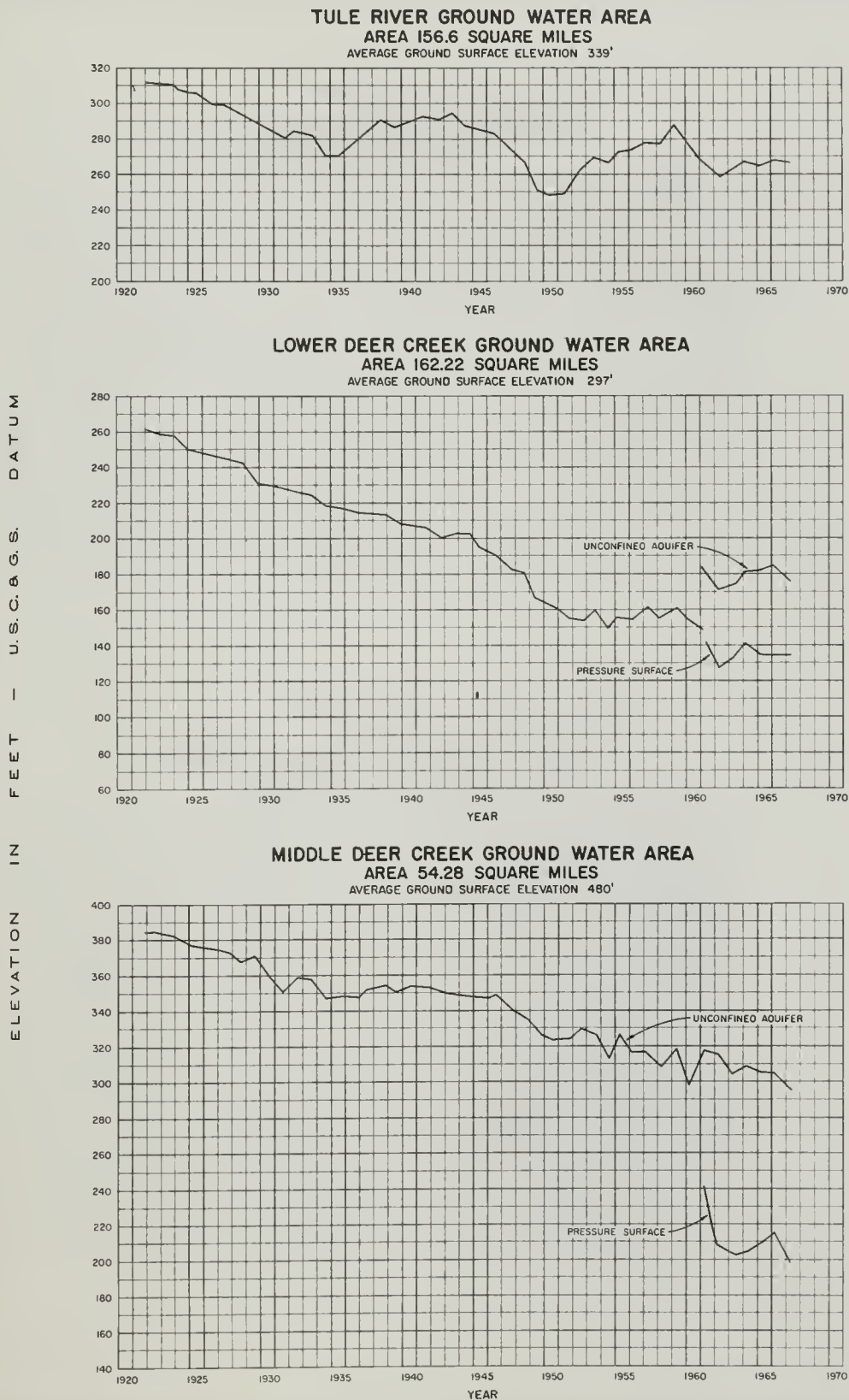


Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

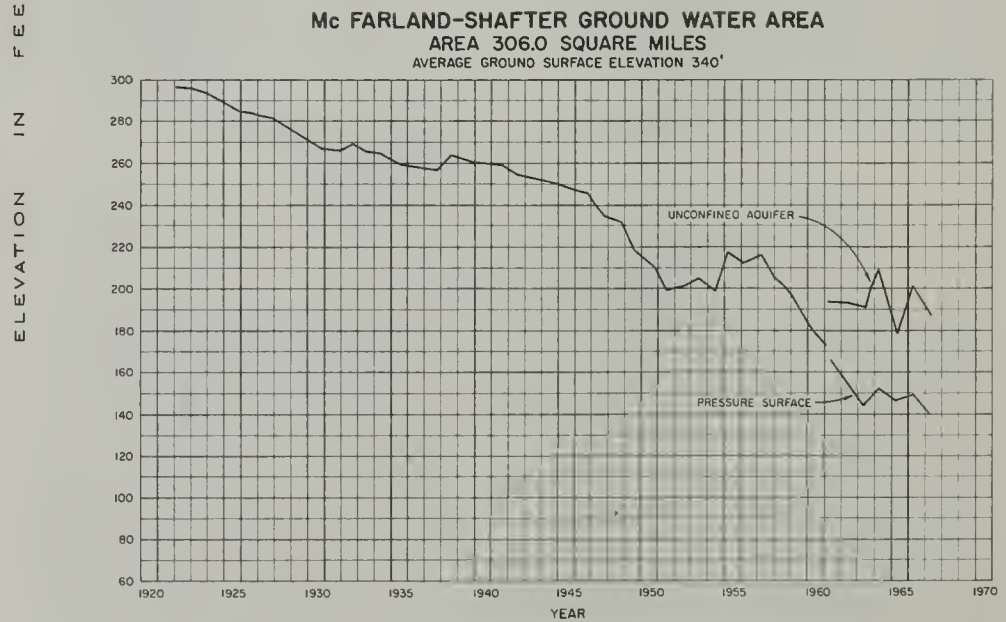
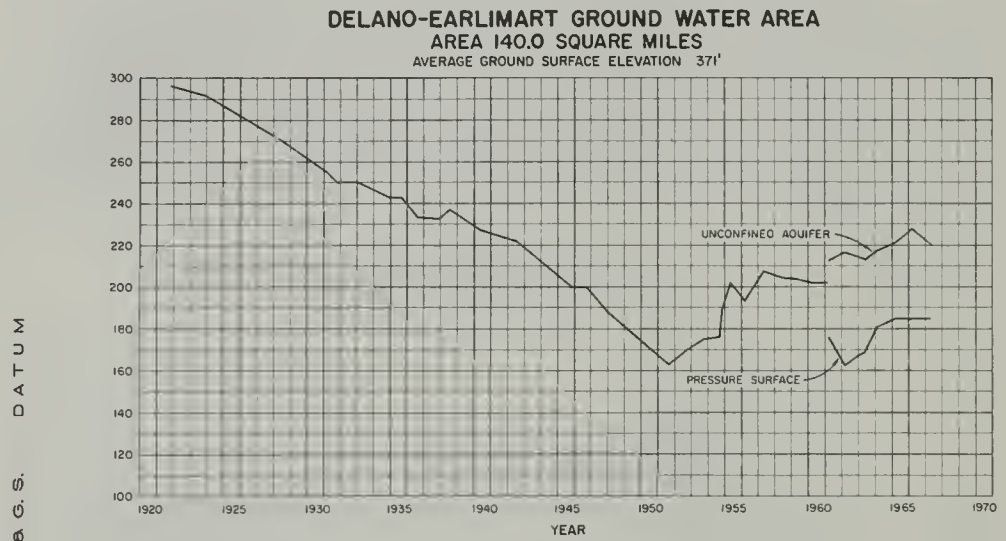
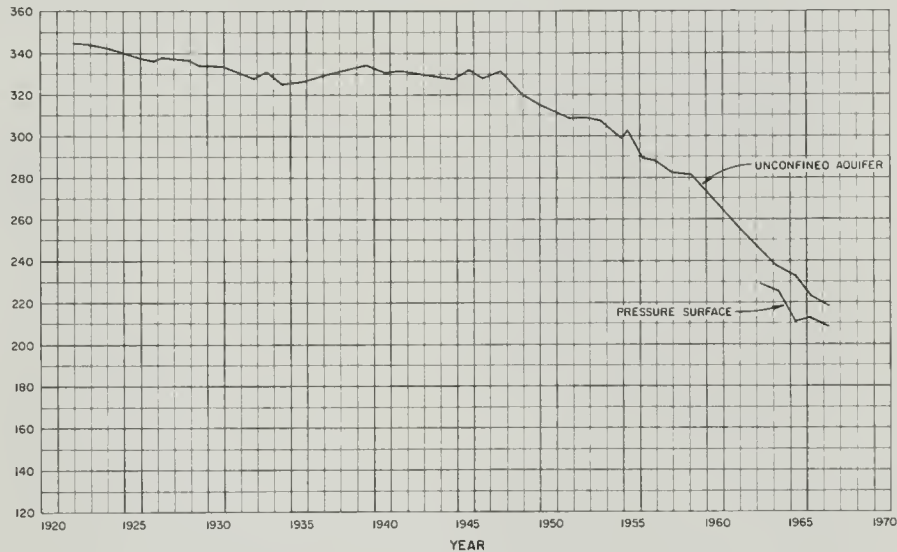


Figure C-1 (Continued). FLUCTUATION OF AVERAGE WATER LEVEL IN SELECTED AREAS

ELEVATION IN FEET U.S.C. & G.S. DATUM

ROSEDALE GROUND WATER AREA
 AREA 78.88 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 363'



ARVIN-EDISON GROUND WATER AREA
 AREA 205.18 SQUARE MILES
 AVERAGE GROUND SURFACE ELEVATION 543'

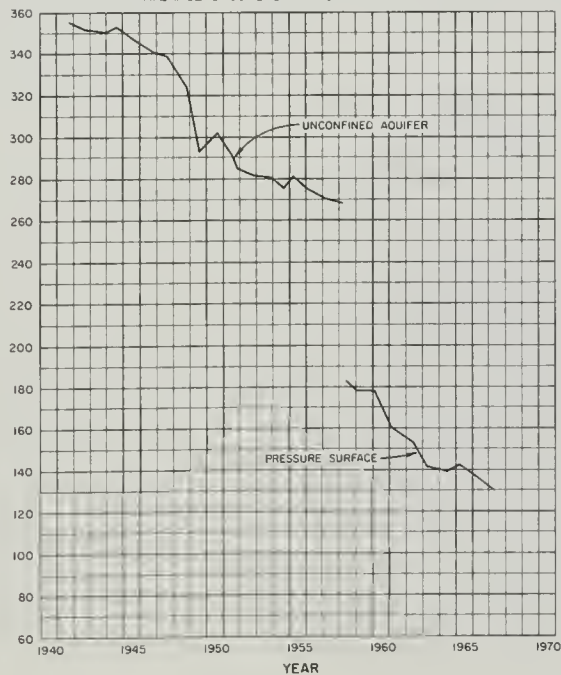


Figure C-2. FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

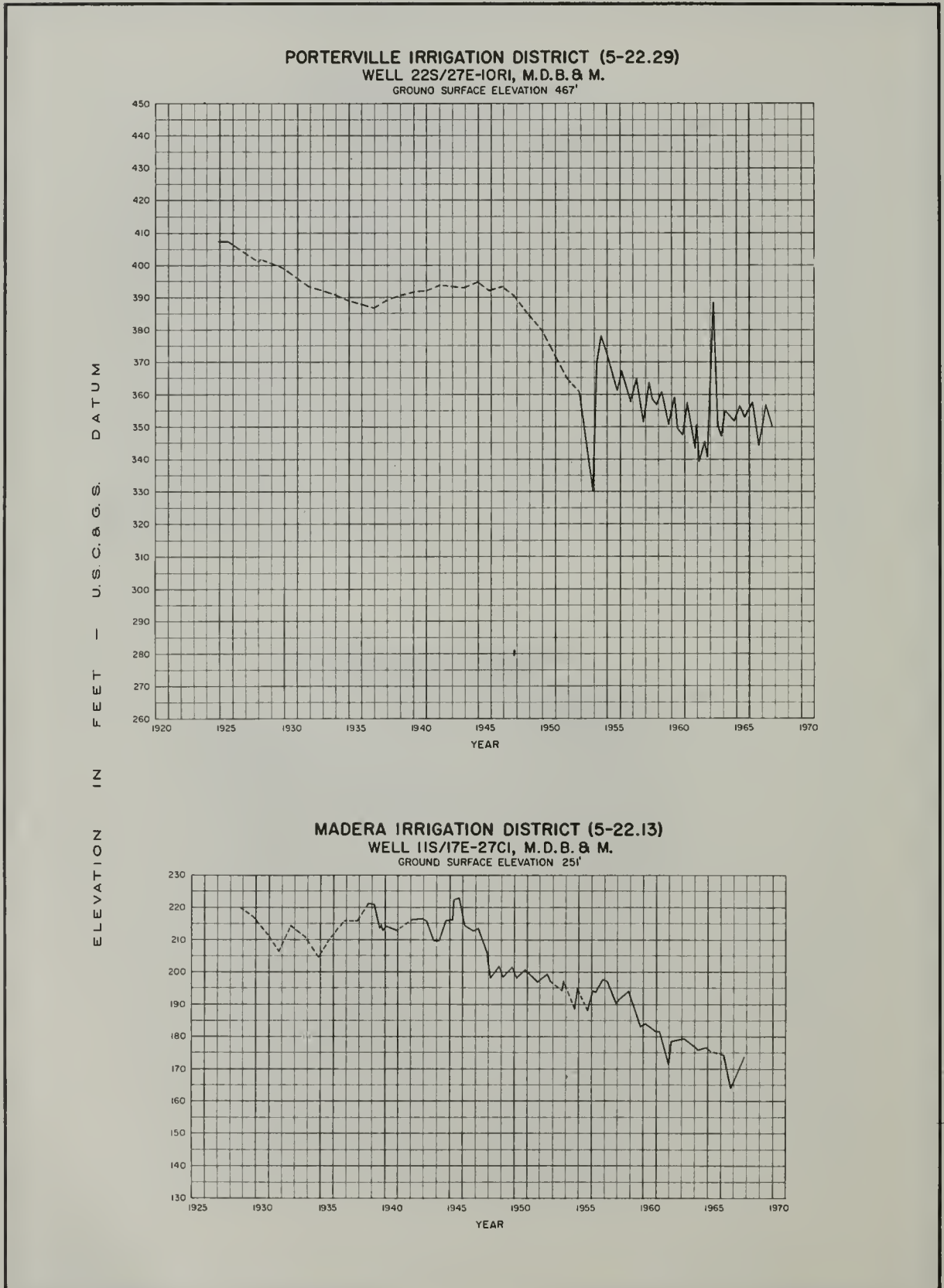
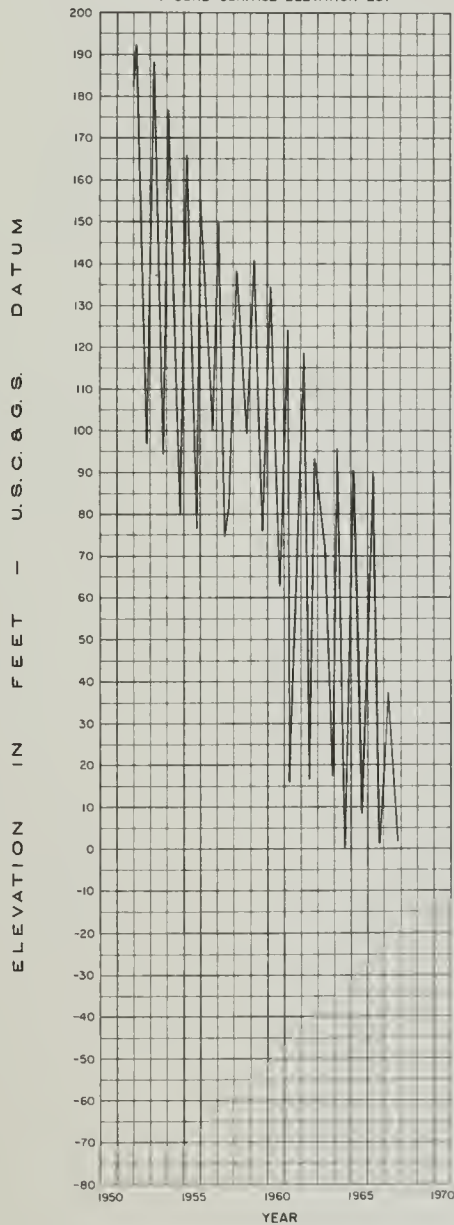
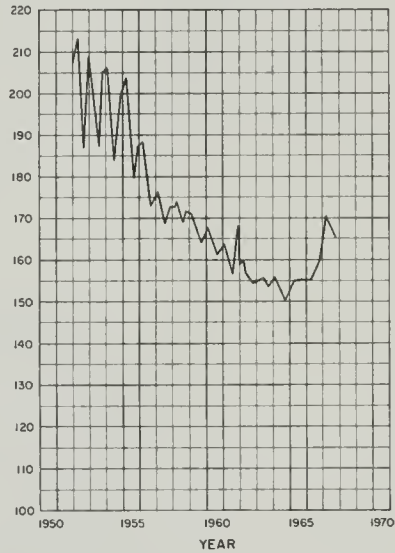


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

SEMITROPIC WATER STORAGE DISTRICT-
DEEP ZONE (5-22.43)
WELL 27S/23E-IR4, M.D.B. & M.
GROUND SURFACE ELEVATION 267'



SEMITROPIC WATER STORAGE DISTRICT-
SHALLOW ZONE (5-22.43)
WELL 27S/23E-IR1, M.D.B. & M.
GROUND SURFACE ELEVATION 267'



MERCED IRRIGATION DISTRICT
(5-22.09)
WELL 7S/11E-1H1, M.D.B. & M.
GROUND SURFACE ELEVATION 118'

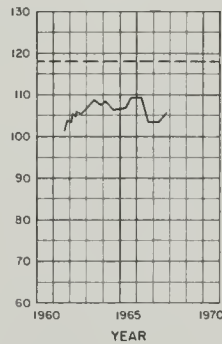
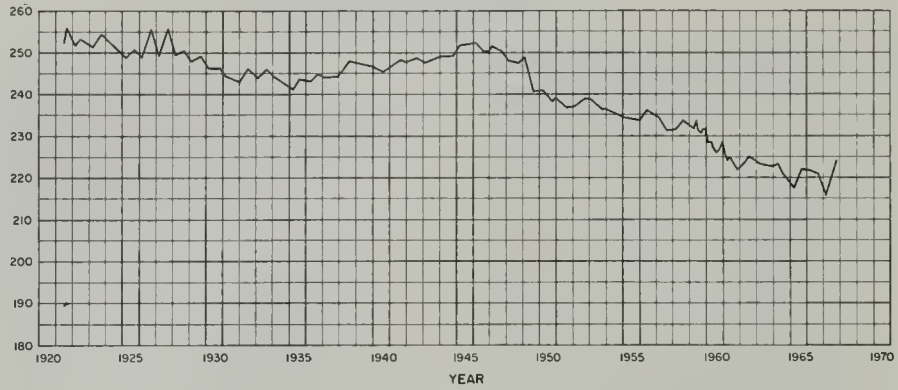


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C.&G.S. DATUM

FRESNO IRRIGATION DISTRICT (5-22.15)
WELL 13S/19E-9Q1, M.D.B.& M.
GROUND SURFACE ELEVATION 288'



NORTH KERN WATER STORAGE DISTRICT (5-22.37)
WELL 27S/25E-22A1, M.D.B.& M.
GROUND SURFACE ELEVATION 392'

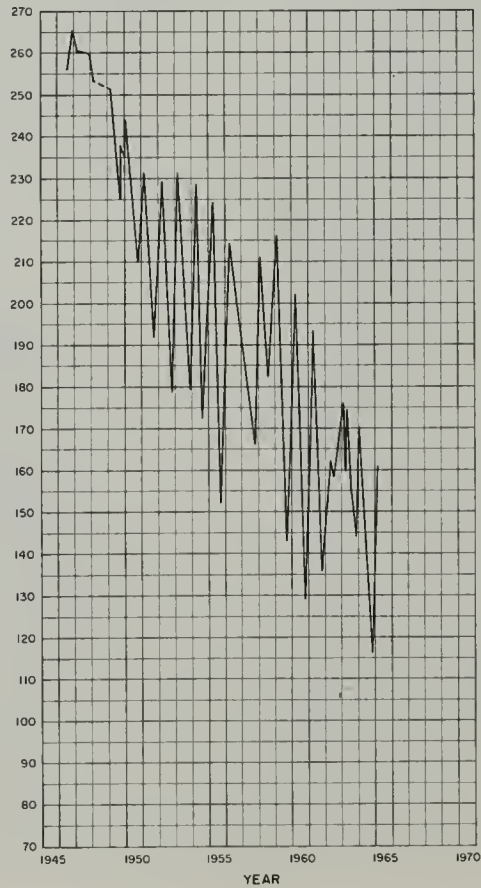
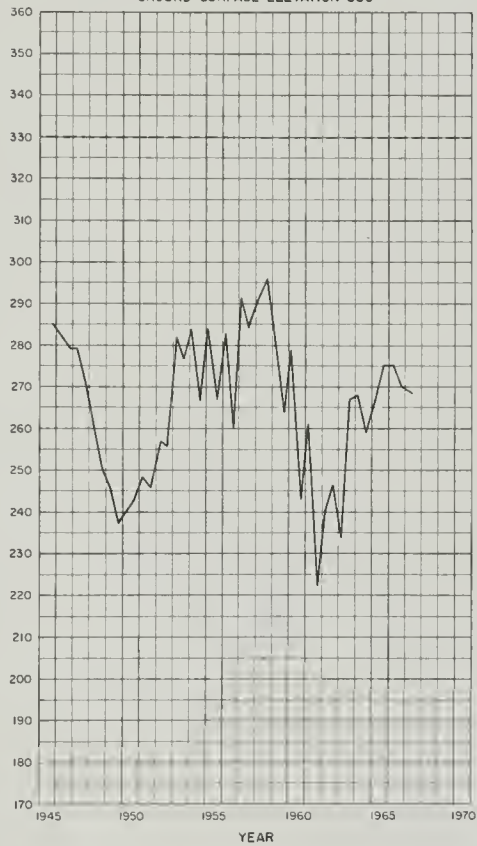


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET U.S.C. & G.S. DATUM

LOWER TULE RIVER IRRIGATION DISTRICT (5-22.30)
WELL 21S/26E-7A1, M.D.B. & M.
 GROUND SURFACE ELEVATION 330'



OAKDALE IRRIGATION DISTRICT (5-22.06)
WELL 2S/10E-33J1, M.D.B. & M.
 GROUND SURFACE ELEVATION 167'

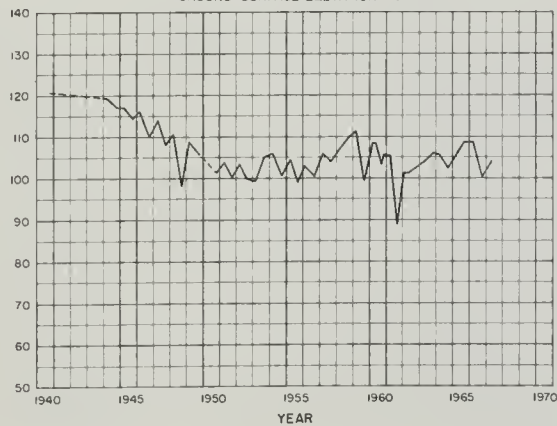


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

SOUTHERN SAN JOAQUIN MUNICIPAL UTILITY DISTRICT (5-22.36)
WELL 25S/26E-28H2, M.D.B. & M.
 GROUND SURFACE ELEVATION 414'



AVENAL-Mc KITTRICK AREA (5-22.44)
WELL 25S/19E-20Q2 M.D.B. & M.
 GROUND SURFACE ELEVATION 480'

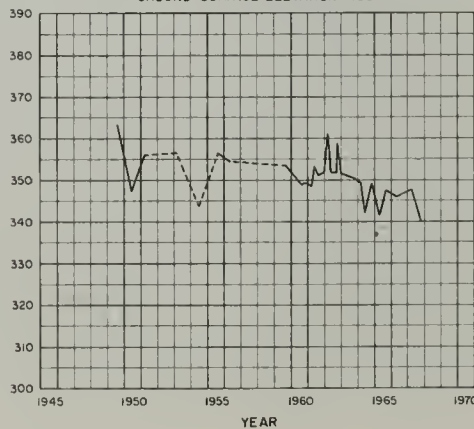
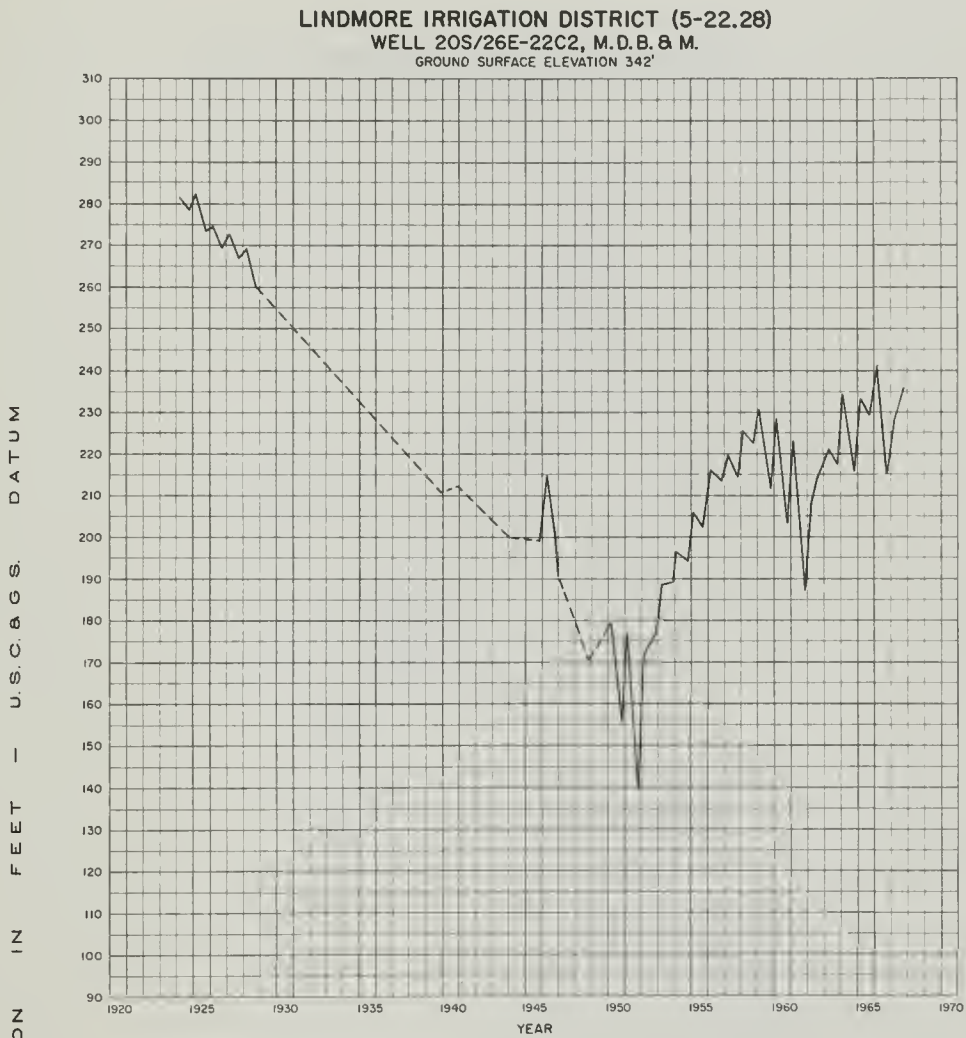
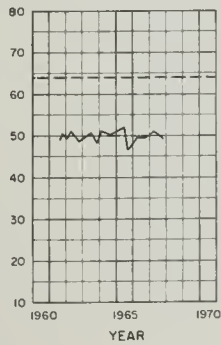


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS



MODESTO IRRIGATION DISTRICT (5-22.07)
WELL 3S/8E-22C2, M.D.B. & M.
 GROUND SURFACE ELEVATION 64'



TURLOCK IRRIGATION DISTRICT (5-22.08)
WELL 5S/9E-4A1, M.D.B. & M.
 GROUND SURFACE ELEVATION 70'

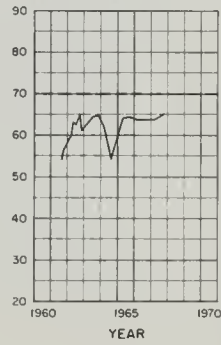
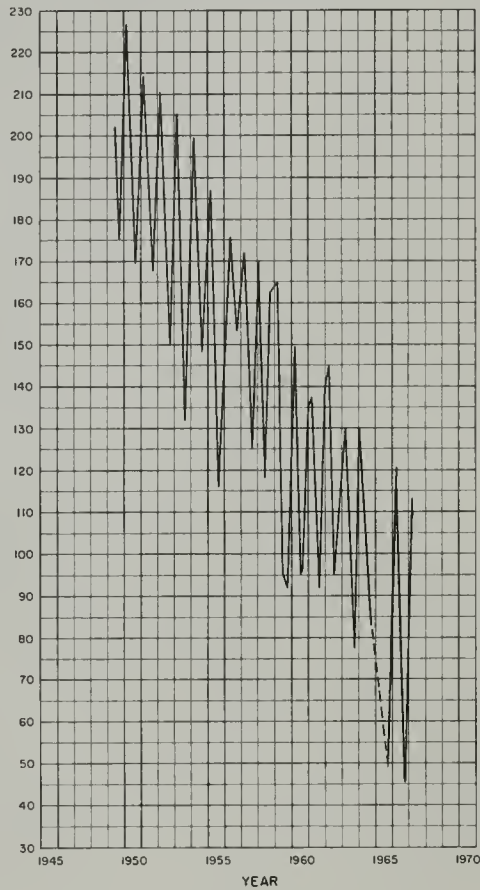


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

SHAFTER-WASCO IRRIGATION DISTRICT (5-22.38)
WELL 27S/24E-35C1, M.D.B. & M.
 GROUND SURFACE ELEVATION 316'



DELTA-MENDOTA AREA-SHALLOW ZONE (5-22.11)
WELL 3S/6E-18N1, M.D.B. & M.
 GROUND SURFACE ELEVATION 99'

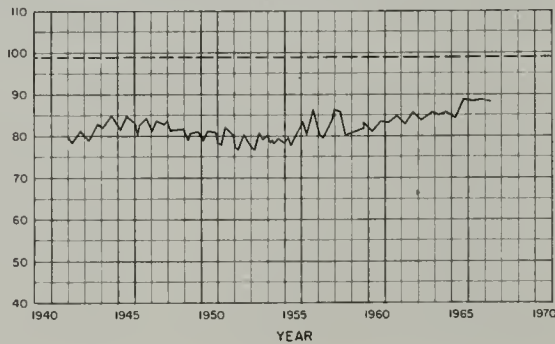
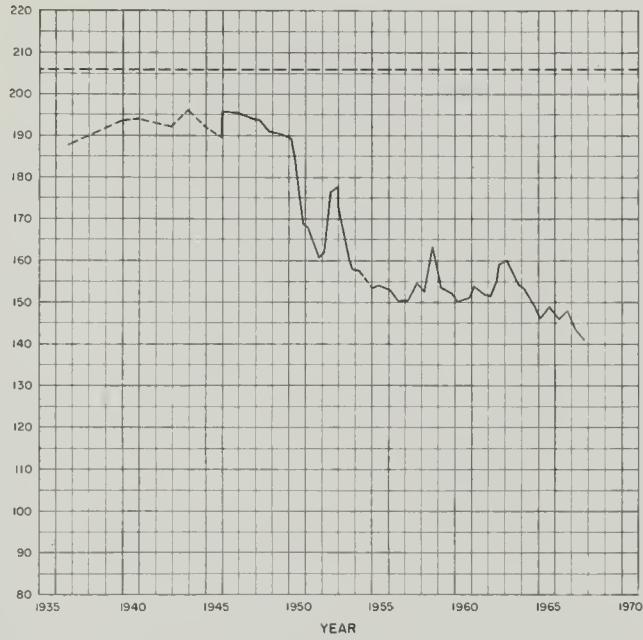


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET U.S.C.&G.S. DATUM

ALPAUGH-AlLENSWORTH AREA (5-22.34)
WELL 24S/23E-21B2, M.D.B. & M.
 GROUND SURFACE ELEVATION 206'



MENDOTA-HURON AREA (5-22.47)
WELL 17S/16E-24R1, M.D.B. & M.

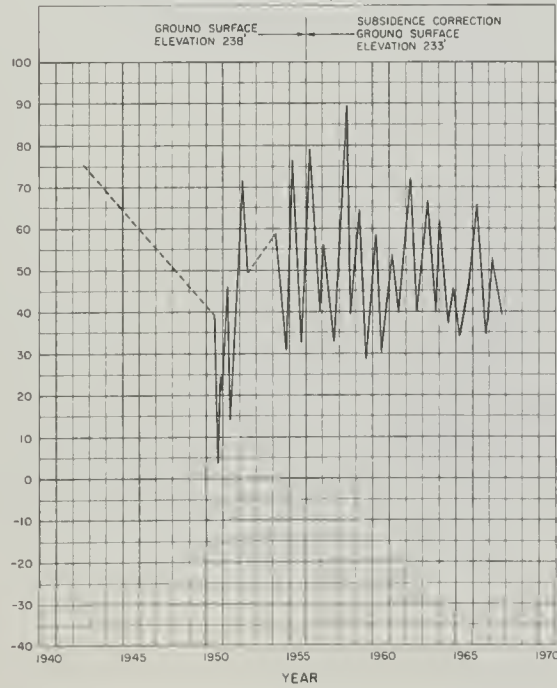


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

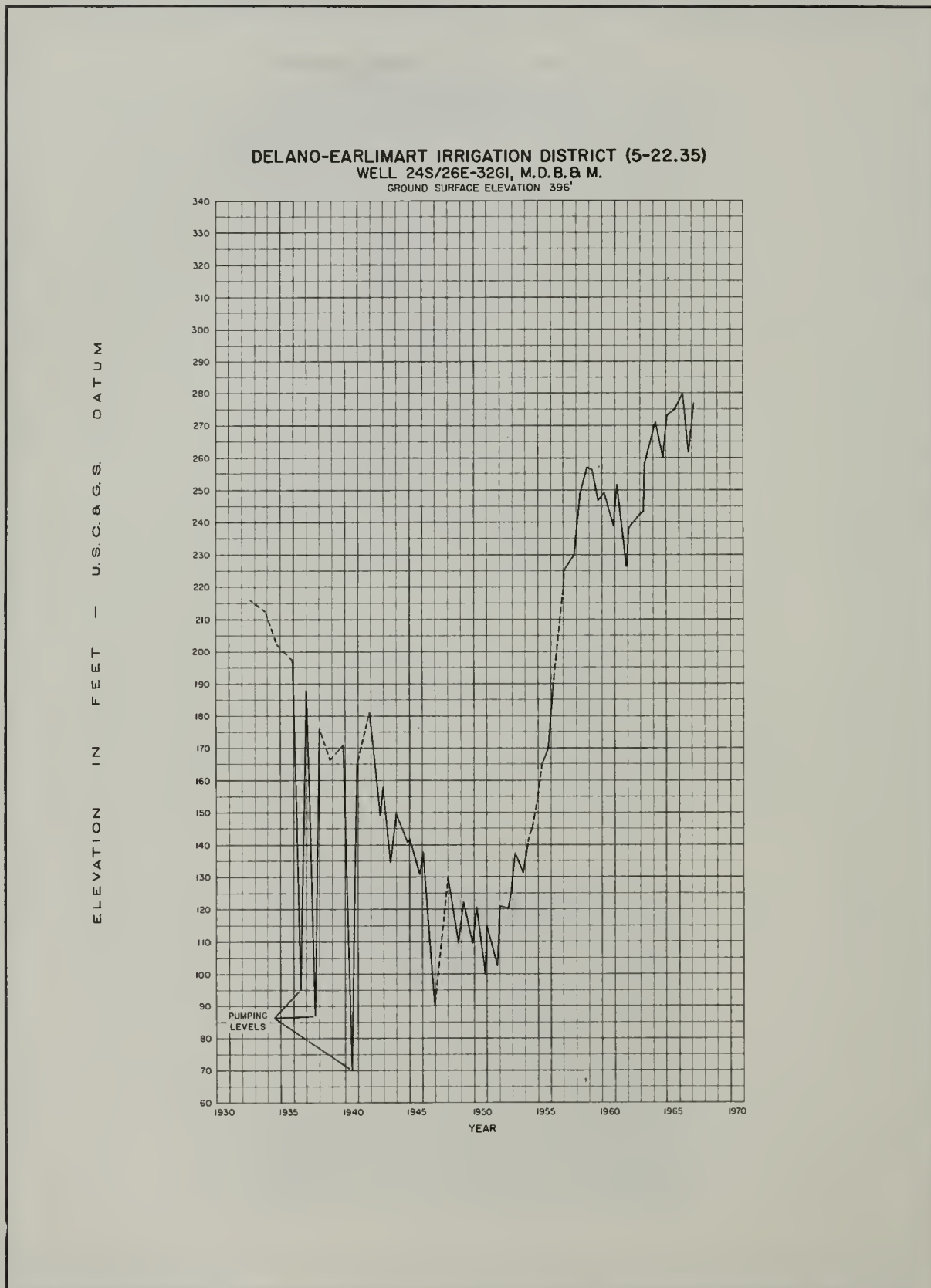
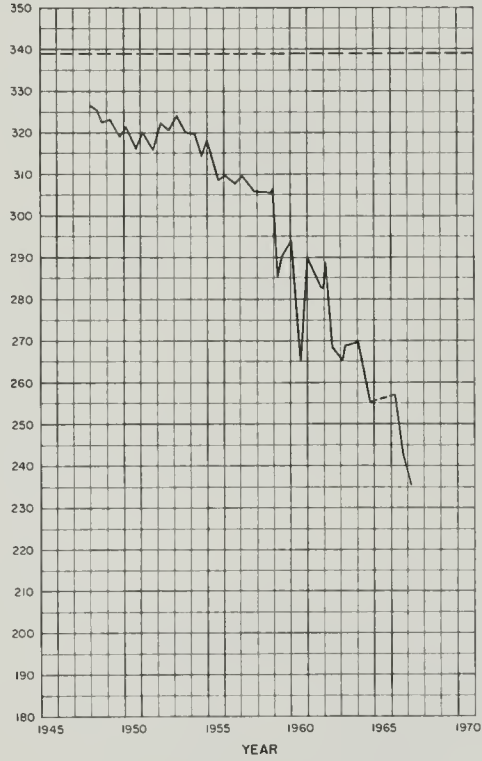


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C.&G.S. DATUM

KERN RIVER DELTA AREA (5-22.40)
WELL 30S/26E-27A1, M.D.B.&M.
 GROUND SURFACE ELEVATION 339'



STONE CORRAL IRRIGATION DISTRICT (5-22.22)
WELL 16S/26E-32R1, M.D.B.&M.
 GROUND SURFACE ELEVATION 405'

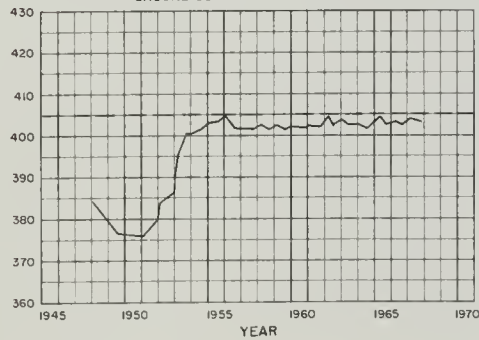
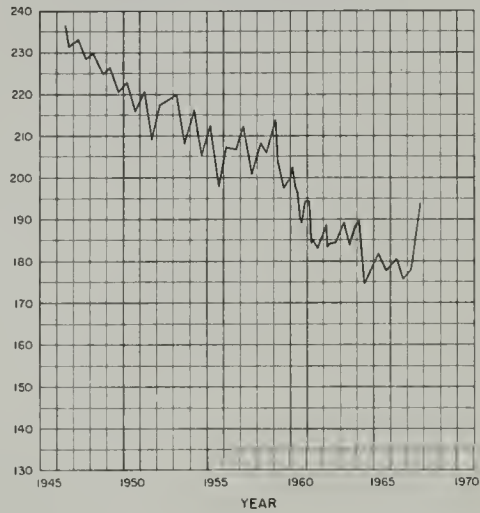


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET U.S.C. & G.S. DATUM

CONSOLIDATED IRRIGATION DISTRICT (5-22.18)
WELL 16S/20E-22NI, M.D.B. & M.
 GROUND SURFACE ELEVATION 247'



SAUCELITO IRRIGATION DISTRICT (5-22.32)
WELL 22S/26E-15JI, M.D.B. & M.
 GROUND SURFACE ELEVATION 371'

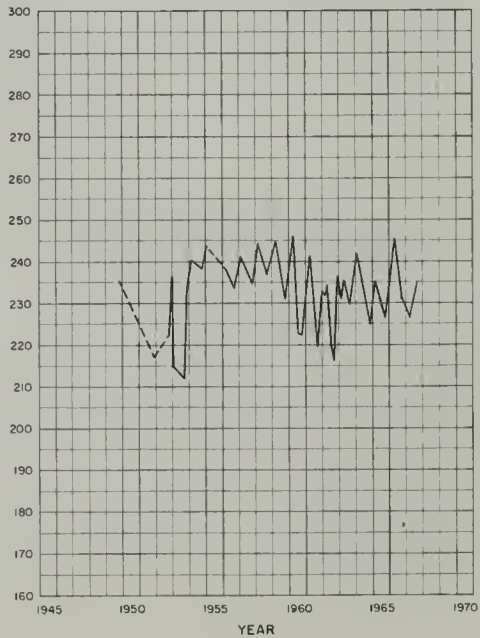


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

MENDOTA-HURON AREA (5-22.47)
WELL 21S/18E-28M2, M.D.8. & M.
GROUND SURFACE ELEVATION 360'

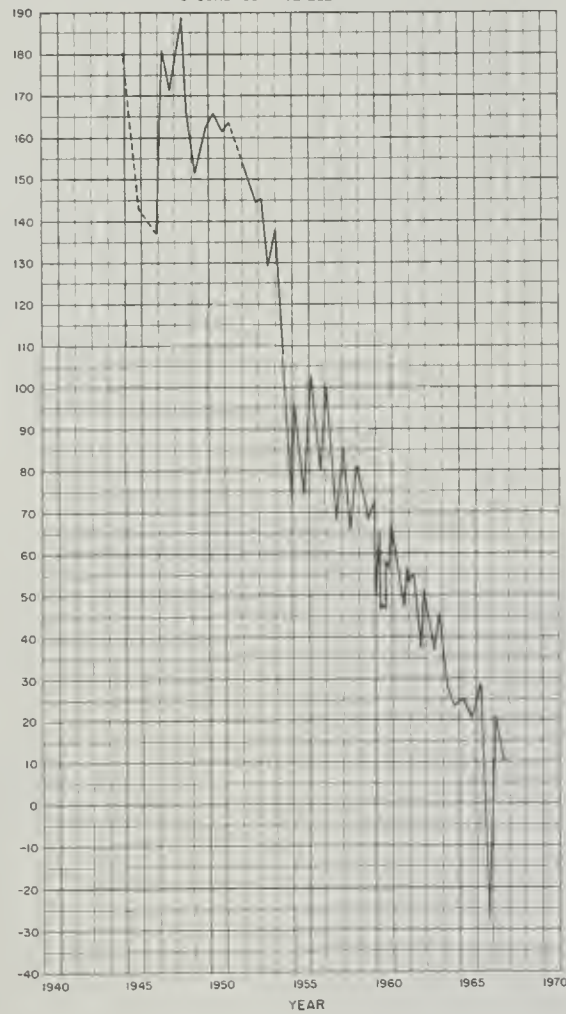
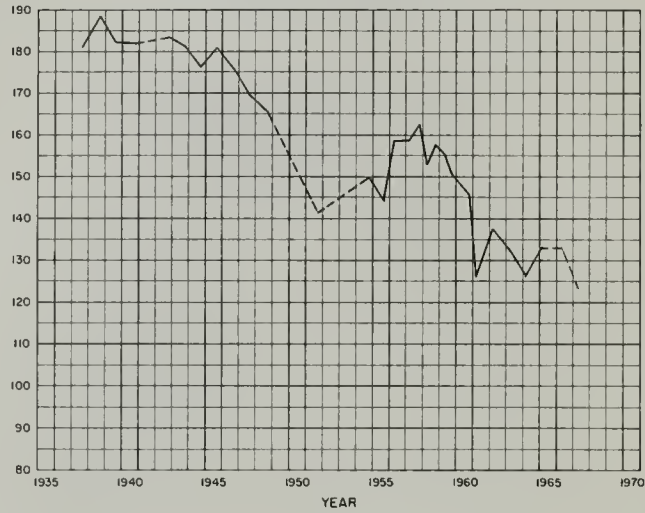


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

FRESNO SLOUGH AREA (5-22.17)
WELL 17S/18E-23A2, M.D.B.&M.
 GROUND SURFACE ELEVATION 200'



EXETER IRRIGATION DISTRICT (5-22.26)
WELL 18S/27E-29D1, M.D.B.&M.
 GROUND SURFACE ELEVATION 446'

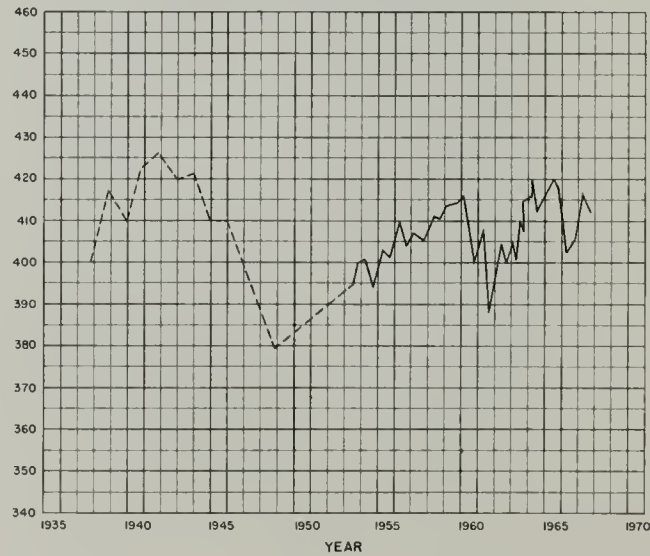


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

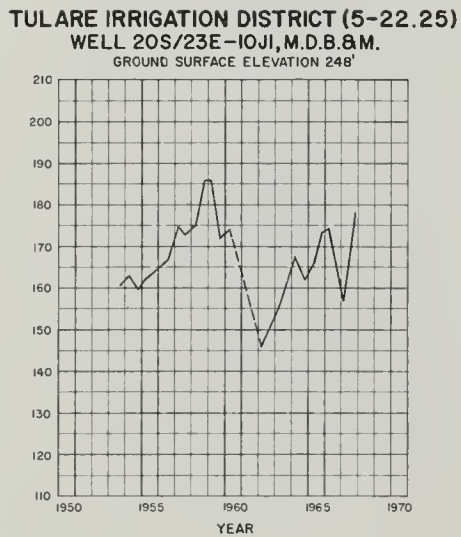
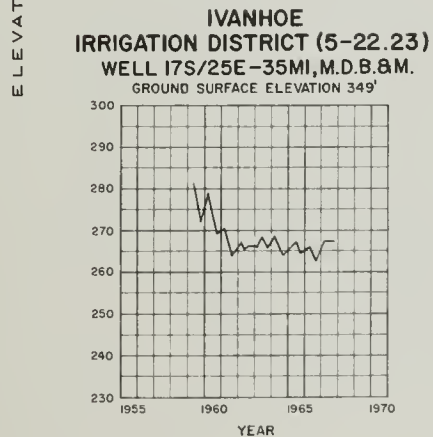
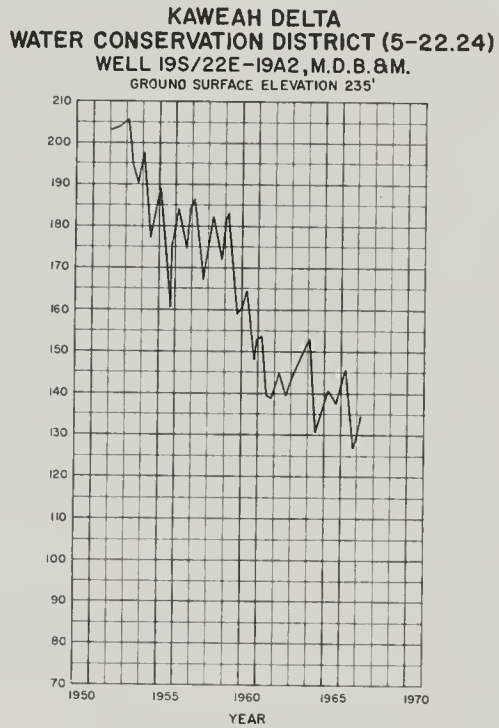
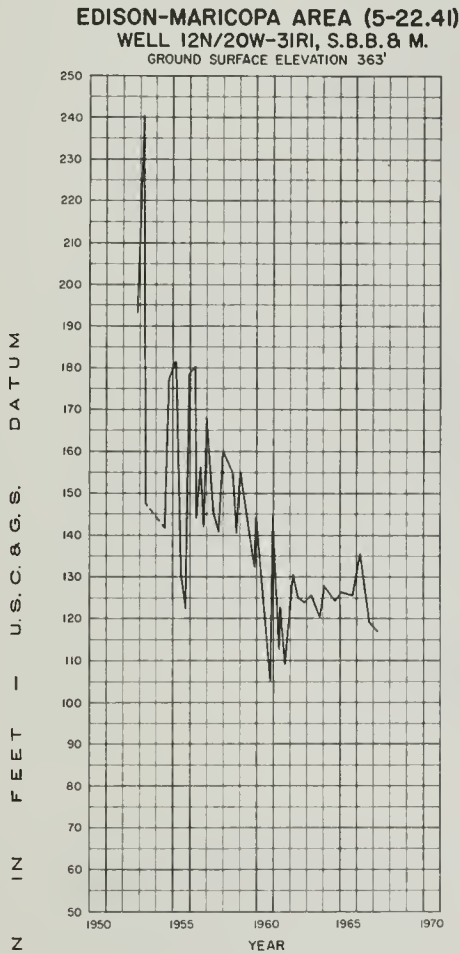


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS

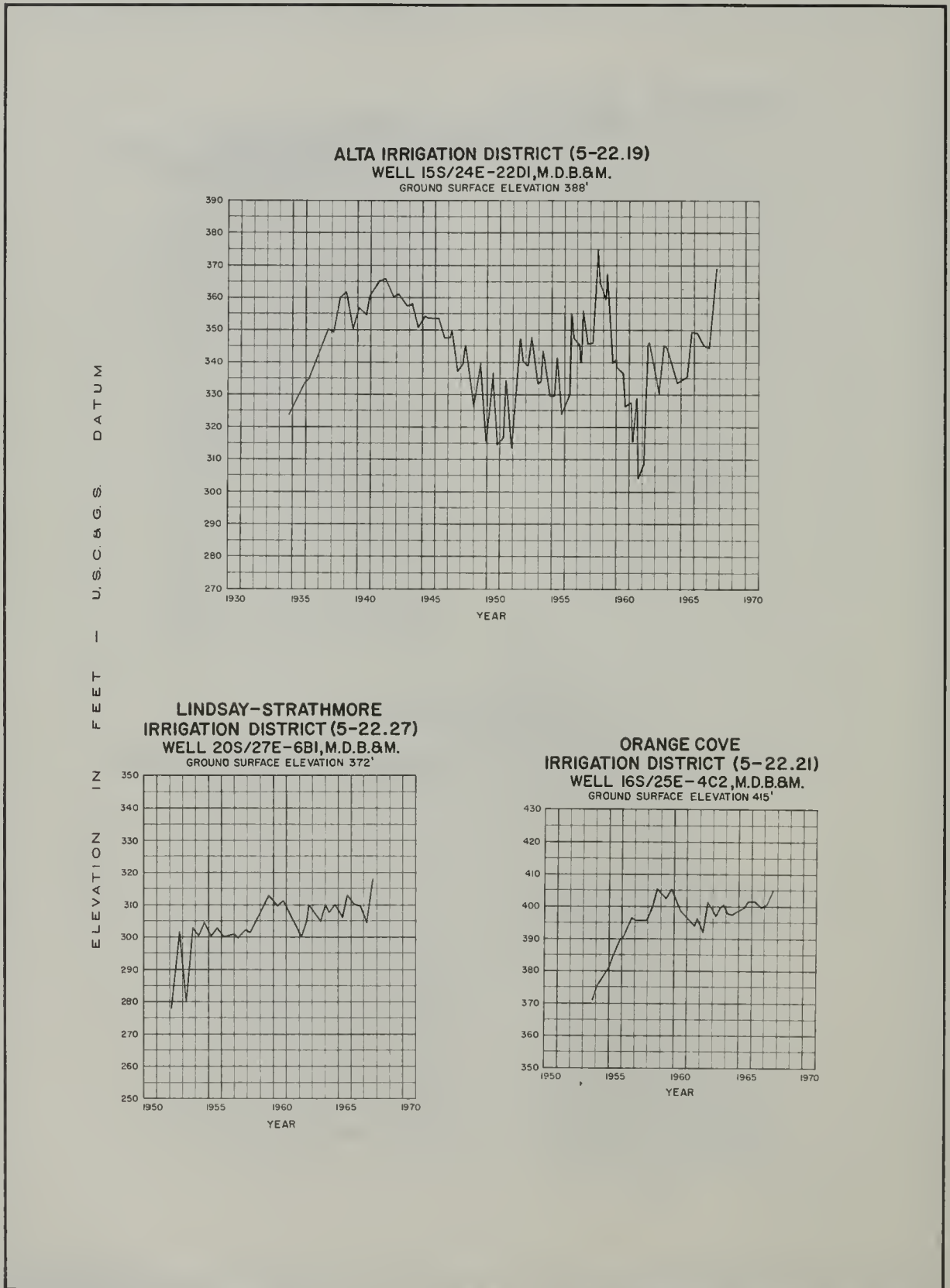
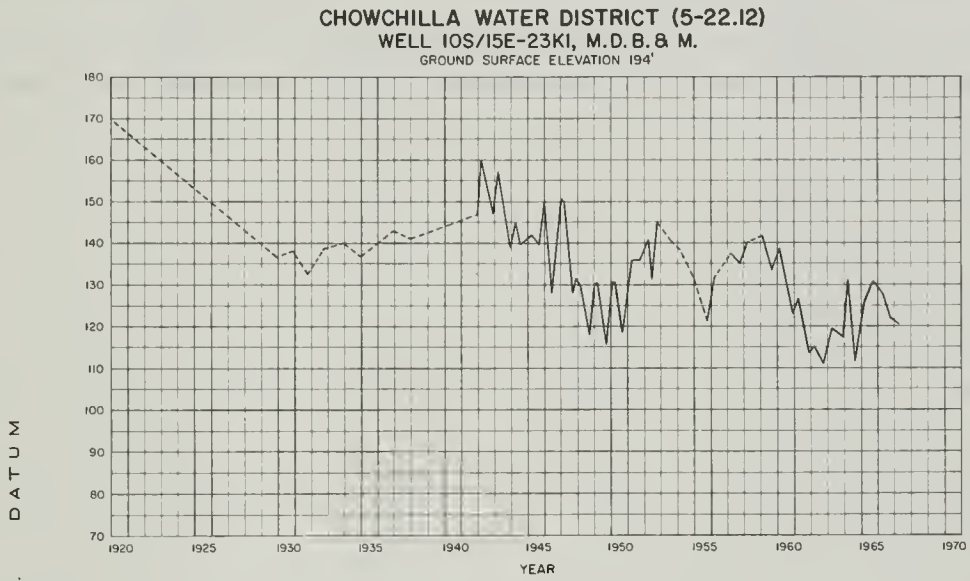


Figure C-2 (Continued). FLUCTUATION OF WATER LEVELS IN SELECTED WELLS



ELEVATION IN FEET - U.S.C. & G.S. DATUM

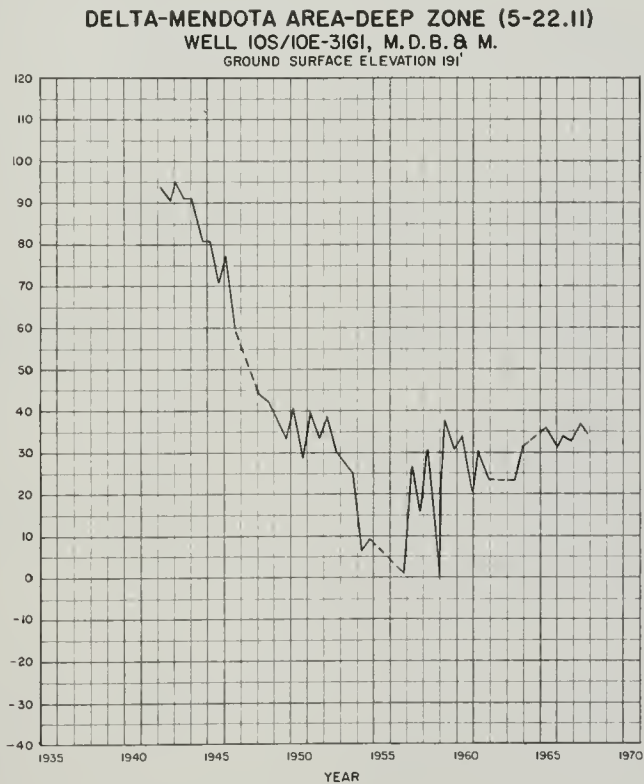


TABLE C-1
 CHANGE IN AVERAGE GROUND WATER LEVEL
 IN DISTRICTS OR AREAS IN THE SAN JOAQUIN VALLEY
 Spring 1966 - Spring 1967

Ground Water Districts or Areas		Number of Wells Considered in Analysis	Change in Feet
Name	Number		
San Joaquin Valley	5-22.00		
Tracy Area	5-22.04	18	- 0.1
Oakdale Irrigation District	5-22.06	a/	- 1.4
Modesto Irrigation District	5-22.07	a/	- 0.3
Turlock Irrigation District	5-22.08	a/	- 0.7
Merced Irrigation District	5-22.09	a/	- 1.5
El Nido Irrigation District	5-22.10	a/	- 4.3
Delta-Mendota Area	5-22.11	467	+ 1.80
Chowchilla Water District	5-22.12	a/	- 1.1
Madera Irrigation District	5-22.13	a/	- 2.5
West Chowchilla-Madera Area	5-22.14	a/	- 3.5
Fresno Irrigation District	5-22.15	a/	- 1.6
City of Fresno	5-22.16	60	- 0.9
Fresno Slough Area	5-22.17	a/	- 6.0
Consolidated Irrigation District	5-22.18	a/	- 0.8
Alta Irrigation District	5-22.19	a/	- 3.5
Lower Kings River Area	5-22.20		
Shallow Zone		a/	- 2.3
Deep Zone		a/	-13.6
Orange Cove Irrigation District	5-22.21	100	- 0.4
Stone Corral Irrigation District	5-22.22	9	+ 0.1
Ivanhoe Irrigation District	5-22.23	a/	- 3.6
Kaweah-Delta Water Conservation District	5-22.24	a/	- 2.0
Tulare Irrigation District	5-22.25	a/	- 6.2
Exeter Irrigation District	5-22.26	a/	- 6.1
Lindsay-Strathmore Irrigation District	5-22.27	20	- 3.2
Lindmore Irrigation District	5-22.28	a/	+ 2.9
Porterville Irrigation District	5-22.29	a/	+ 1.4
Lower Tule River Irrigation District	5-22.30		
Shallow Zone		a/	- 4.8
Deep Zone		a/	+ 9.6
Vandalia Irrigation District	5-22.31	4	- 3.6
Saucelito Irrigation District	5-22.32		
Shallow Zone		a/	- 3.9
Deep Zone		a/	- 4.6
Pixley Irrigation District	5-22.33		
Shallow Zone		a/	- 7.8
Deep Zone		a/	- 6.2

TABLE C-1 (Cont.)
 CHANGE IN AVERAGE GROUND WATER LEVEL
 IN DISTRICTS OR AREAS IN THE SAN JOAQUIN VALLEY
 Spring 1966 - Spring 1967

Ground Water Districts or Areas		Number of Wells Considered in Analysis	Change in Feet
Name	Number		
San Joaquin Valley (Continued)			
Alpaugh-Allensworth Area	5-22.34		
Shallow Zone		a/	- 6.6
Deep Zone		a/	+ 3.9
Delano-Earlimart Irrigation District	5-22.35		
Shallow Zone		a/	-10.2
Deep Zone		a/	+ 2.1
Southern San Joaquin Municipal Utility District	5-22.36		
Shallow Zone		a/	- 6.2
Deep Zone		a/	-10.9
North Kern Water Storage District	5-22.37		
Shallow Zone		a/	-16.2
Deep Zone		a/	-12.9
Shafter-Wasco Irrigation District	5-22.38		
Shallow Zone		a/	-11.7
Deep Zone		a/	- 6.8
City of Bakersfield	5-22.39	24	- 3.3
Kern River Delta Area	5-22.40		
Shallow Zone		a/	- 0.5
Deep Zone		a/	- 3.7
Edison-Maricopa Area	5-22.41		
Deep Zone		a/	- 9.0
Buena Vista Water Storage District	5-22.42	a/	+ 1.4
Semitropic Water Storage District	5-22.43		
Shallow Zone		a/	- 4.9
Deep Zone		a/	- 5.6
Avenal-McKittrick Area	5-22.44	24	- 2.7
Tulare Lake-Lost Hills Area	5-22.45	14	-26.0
Corcoran Irrigation District	5-22.46		
Shallow Zone		a/	+ 4.7
Deep Zone		a/	-19.9
Mendota-Huron Area	5-22.47		
Deep Zone		a/	-15.6 ^{b/}
Poso Soil Conservation District	5-22.48	a/	- 1.3
San Luis Canal Company	5-22.49	a/	+ 0.5
Terra Bella Irrigation District	5-22.50	4	- 4.8
Merced Bottoms	5-22.54	a/	+ 0.4
Centerville Bottoms Area	5-22.64	a/	+ 2.7
Garfield Water District	5-22.65	21	+ 2.2

TABLE C-1 (Cont.)

CHANGE IN AVERAGE GROUND WATER LEVEL
 IN DISTRICTS OR AREAS IN THE SAN JOAQUIN VALLEY
 Spring 1966-- Spring 1967

Ground Water Districts or Areas		Number of Wells Considered in Analysis	Change in Feet
Name	Number		
San Joaquin Valley (Continued)			
Kings County Water District	5-22.66		
Shallow Zone		a/	- 6.4
Deep Zone		a/	- 7.5
Pleasant Valley Area	5-22.69	14	- 7.1

a/ Average changes were determined by planimetering ground water contour maps.

b/ Average change determined from water level measurements made during December 1965 and December 1966.

TABLE C-2

CHANGE IN AVERAGE GROUND WATER LEVEL FROM
1921 TO 1951 AND 1951 TO 1967
IN 18 GROUND WATER AREAS IN THE SAN JOAQUIN VALLEY

Name of Ground Water Area	Area in square miles	Irrigation and Other Water Districts Included in the Ground Water Area	Net change in water level 1921-51 ^{a/} in feet	Net change in water level 1951-67 ^{b/} in feet
Madera	342.6	Madera Irrigation District and Chowchilla Water District	- 24.1 ^{c/}	- 21.3
Fresno	404.0	Fresno Irrigation District and City of Fresno	- 22.4	- 21.4
Consolidated	243.0	Consolidated Irrigation District	- 19.0	- 1.5
Centerville Bottoms	18.1	-----	+ 1.0	+ 0.5
Alta	190.9	Alta Irrigation District	- 17.2 ^{c/}	- 1.3
Ivanhoe	17.4	Ivanhoe Irrigation District	- 55.9	+ 25.9
Outside Ivanhoe	76.6	Stone Corral Irrigation District and a portion of Alta Irrigation District	- 28.5	- 12.3
Mill Creek	128.2	Portions of Kings County Water District and Kaweah Delta Water Conservation District	- 31.1	- 15.1
Tulare	121.1	Tulare Irrigation District	- 59.1	- 8.1
Elk Bayou	67.6	Portion of Kaweah Delta Water Conservation District	- 47.8	- 15.1
Lindsay-Exeter	136.4	Exeter Irrigation District, Lindsay-Strathmore Irrigation District, and Lindmore Irrigation District	- 77.7	+ 57.1
Tule River	156.6	Porterville Irrigation District, portions of Lower Tule River Irrigation District, and Saucelito Irrigation District	- 62.5	+ 22.9
Lower Deer Creek	162.2	Portions of Lower Tule River Irrigation District, Saucelito Irrigation District, and Delano-Earlimart Irrigation District	-106.7	- 7.7 ^{e/} - 6.2 ^{f/}
Middle Deer Creek	54.6	Terra Bella Irrigation District	- 61.8	- 22.7 ^{e/} - 41.4 ^{f/}
Delano-Earlimart	140.0	Portions of Delano-Earlimart Irrigation District and Southern San Joaquin Municipal Utility District	-133.8	+ 10.7 ^{e/} + 7.0 ^{f/}
McFarland-Shafter	306.0	North Kern Water Storage District, Shafter-Wasco Irrigation District, and a portion of Southern San Joaquin Municipal Utility District	- 99.0	- 3.0 ^{e/} - 26.2 ^{f/}
Rosedale	78.9	-----	- 36.3	- 77.0 - 20.8 ^{g/}
Arvin-Edison	205.2	Arvin-Edison Water Storage District	- 69.9 ^{d/}	- 28.8 ^{f/}

^{a/} 1951 was the first year of substantial deliveries from the Friant-Kern Canal.

^{b/} Fall 1951 to spring 1967.

^{c/} Fall 1929 to fall 1951.

^{d/} Fall 1941 to fall 1951.

^{e/} Unconfined aquifer, spring 1961 to spring 1967, only one aquifer reported prior to 1961.

^{f/} Pressure surface, spring 1961 to spring 1967, only one aquifer reported prior to 1961.

^{g/} Pressure surface, spring 1963 to spring 1967, only one aquifer reported prior to 1963.

TABLE C-3

GROUND WATER LEVELS AT WELLS

An explanation of the column headings and the code symbols follows:

State Well Number--refer to the explanation under Introduction, page 157.

Ground surface elevation represents the elevation in feet above mean sea level (U.S.G.S. and U.S.C. & G.S. datum) of the ground surface at the well. Elevations are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date is the date the depth measurement was made. Where 00 appears in the date, day of measurement is unknown.

Ground surface to water surface in feet is the measured depth in feet from the ground surface to the water surface in the well. Certain of the depth measurements in the column may be followed with an asterisk superscript to indicate a questionable measurement. Depth to ground water measurements may be questionable for such reasons as: (a) well being pumped while undergoing measurement, (b) nearby pump in operation, (c) existence of a leaking or wet casing, (d) well having been pumped recently, (e) possible air gage measurement error, (f) recharge operation at well or nearby. The specific reason for any asterisk on any given measurement may be obtained from the San Joaquin District Office of the Department of Water Resources.

Other code symbols used in this column are as follows:

- No measurement
- ⊥ Measurement discontinued
- @ Well has been destroyed

The words FLOW and DRY are shown in this column to indicate a flowing or dry well.

The word DISCONTINUED indicates records from this well will no longer be published.

Water surface elevation is the elevation in feet above mean sea level (U.S.G.S. and U.S.C. & G.S. datum) of the water surface in the well. It was derived by machine computation by subtraction of the depth measurement from the reference point elevation.

Agency supplying data represents the code numbers for the agencies supplying water level data.

In this list of water levels, the agency furnishing the measurement is noted. The agencies and code numbers assigned to them are as follows:

<u>Agency Code</u>	<u>Agency</u>
5000	U. S. Geological Survey
5001*	U. S. Bureau of Reclamation
5050	Department of Water Resources
5121	Kern County Water Agency
5200	City of Fresno
5518	South San Joaquin Irrigation District
5520	Oakdale Irrigation District
5521	Modesto Irrigation District
5524	Turlock Irrigation District
5525	Merced Irrigation District
5529	Poso Soil Conservation District
5631	Fresno Irrigation District
5636	Consolidated Irrigation District
5637	Alta Irrigation District
5640	Buena Vista Water Storage District
5700	Kern County Land Company

*A large amount of data listed under this agency code has been gathered by irrigation and water districts and compiled by the Bureau of Reclamation for transmittal to the Department of Water Resources.

**TABLE C-3
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL VALLEY REGION					
SAN JOAQUIN VALLEY					
5-22.00					
TRACY AREA					
5-22.04					
1S/05E-31R02 M	4.0	10-05-66	3.4	0.6	5050
		11-03-66	3.3	0.7	
		12-12-66	3.0	1.0	
		1-03-67	3.3	0.7	
		2-07-67	3.1	0.9	
		3-06-67	2.3	1.7	
		4-06-67	2.7	1.3	
		5-05-67	2.0	2.0	
		6-05-67	1.7	2.3	
		7-05-67	1.9	2.1	
		8-07-67	2.7	1.3	
		9-06-67	3.5	0.5	
2S/05E-15N02 M	32.0	10-05-66	13.5	18.5	5050
		11-03-66	11.4	20.6	
		12-12-66	9.7	22.3	
		1-03-67	10.4	21.6	
		2-07-67	10.8	21.2	
		3-06-67	9.7	22.3	
		4-06-67	10.5	21.5	
		5-05-67	10.7	21.3	
		6-05-67	11.0	21.0	
		7-05-67	10.8	21.2	
		8-07-67	10.4	21.6	
		9-06-67	11.2	20.8	
3S/06E-06N01 M	77.2	10-05-66	8.3	68.9	5050
		11-03-66	8.1	69.1	
		12-12-66	7.1	70.1	
		1-03-67	8.9	68.3	
		2-07-67	7.8	69.4	
		3-06-67	7.7	69.5	
		4-06-67	8.2	69.0	
		5-05-67	11.1	66.1	
		6-05-67	8.6	68.6	
		7-05-67	9.9	67.3	
		8-07-67	9.0	68.2	
		9-06-67	8.6	68.6	
OAKDALE IRRIGATION DISTRICT					
5-22.06					
1S/09E-16J01 M	119.0	10-03-66	62.5	56.5	5520
		11-01-66	61.8	57.2	
		12-02-66	61.2	57.8	
		1-04-67	60.9	58.1	
		2-02-67	60.6	58.4	
		3-10-67	60.3	58.7	
		3-30-67	60.0	59.0	
		4-28-67	59.7	59.3	
		5-31-67	61.4	57.6	
		6-23-67	62.0	57.0	
		7-28-67	62.4	56.6	
		8-31-67	62.3	56.7	
		9-28-67	60.8	58.2	
1S/09E-36A01 M	145.0	4-00-67	52.1	92.9	5520
1S/10E-19L01 M	146.5	10-03-66	55.6	90.9	5520
		11-01-66	54.8	91.7	
		12-02-66	54.2	92.3	
		1-04-67	54.0	92.5	
		2-02-67	54.0	92.5	
		3-10-67	53.7	92.8	
		3-30-67	53.5	93.0	
		4-28-67	53.4	93.1	
		5-31-67	53.8	92.7	
		6-23-67	53.0	93.5	
		7-28-67	52.4	94.1	
		8-31-67	51.5	95.0	
		9-28-67	51.0	95.5	
1S/10E-28J01 M	193.0	4-00-67	82.1	110.9	5520
2S/09E-26F01 M	132.0	10-03-66	56.8	75.2	5520
		11-01-66	53.1	78.9	
		12-02-66	53.4	78.6	
		1-04-67	53.1	78.9	
		2-02-67	52.4	79.6	
		3-10-67	53.0	79.0	
		3-30-67	52.2	79.8	
		4-28-67	51.4	80.6	
		5-31-67	□	□	
		6-23-67	□	□	
		7-28-67	54.0	78.0	
		8-31-67	58.8	73.2	
		9-28-67	□	□	

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
OAKDALE IRRIGATION DISTRICT					
2S/10E-33J01 M	185.5	10-03-66	81.7	103.8	5520
		11-01-66	79.9	105.6	
		12-02-66	78.0	107.5	
		1-04-67	77.4	108.1	
		2-02-67	77.0	108.5	
		3-10-67	76.3	108.8	
		4-28-67	76.2	109.2	
		5-31-67	77.2	109.3	
		6-23-67	77.3	108.2	
		7-28-67	78.3	107.2	
		8-31-67	78.0	107.5	
		9-28-67	77.5	108.0	
2S/10E-33J01 M	165.0	4-00-67	61.2	103.8	5520
2S/11E-29B01 M	218.0	10-03-66	97.1	120.9	5520
		11-01-66	97.9	120.1	
		12-02-66	93.9	124.1	
		1-04-67	93.0	125.0	
		2-02-67	92.4	125.6	
		3-10-67	91.7	126.3	
		3-30-67	91.2	126.8	
		4-28-67	91.0	127.0	
		5-31-67	93.4	124.6	
		6-23-67	93.9	124.1	
		7-28-67	95.2	122.8	
		8-31-67	95.9	122.1	
		9-28-67	95.3	122.7	
2S/11E-31P01 M	192.0	4-00-67	75.7	116.3	5520
2S/12E-31K01 M	190.0	4-00-67	42.7	147.3	5520
3S/10E-15A01 M	152.0	10-03-66	□		5520
		11-01-66	□		
		12-02-66	54.1	97.9	
		1-04-67	□		
		2-02-67	50.0	102.0	
		3-10-67	48.9	103.1	
		3-30-67	48.7	103.3	
		4-28-67	48.1	103.9	
		5-31-67	49.7	102.3	
		6-23-67	□		
		7-28-67	52.2	99.8	
		8-31-67	51.8	100.2	
		9-28-67	51.2	100.8	
OAKDALE IRRIGATION DISTRICT					
3S/11E-18D01 M	162.0	4-00-67	55.7	106.3	5520
MODESTO IRRIGATION DISTRICT					
2S/08E-25P01 M	94.0	3-00-67	34.8	59.2	5521
2S/09E-30F01 M	93.0	10-04-66	29.8	63.2	5050
		11-03-66	30.3	62.7	
		12-12-66	30.1	62.9	
		1-03-67	30.2	62.8	
		2-06-67	29.2	63.8	
		3-06-67	29.1	63.9	
		4-07-67	30.4	62.6	
		5-05-67	26.2	66.8	
		6-07-67	20.9	72.1	
		7-06-67	19.2	73.8	
		8-07-67	20.0	73.0	
		9-06-67	22.1	70.9	
2S/09E-31G01 M	100.3	3-00-67	34.0	66.3	5521
3S/07E-12C01 M	47.0	10-04-66	7.3	39.7	5050
		11-03-66	8.7	38.3	
		12-12-66	9.4	37.6	
		1-05-67	9.6	37.4	
		2-06-67	7.6	39.4	
		3-06-67	7.7	39.3	
		4-07-67	8.0	39.0	
		5-05-67	8.9	38.1	
		6-07-67	7.7	39.3	
		7-06-67	6.3	40.7	
		8-07-67	5.6	41.4	
		9-06-67	5.6	41.4	
3S/07E-35A02 M	40.0	10-04-66	5.8	34.2	5050
		11-03-66	5.2	34.8	
		12-12-66	5.4	34.6	
		1-05-67	5.9	34.1	
		2-06-67	4.0	36.0	
		3-06-67	5.4	34.6	
		4-07-67	7.4	32.6	
		5-05-67	7.4	32.6	
		6-07-67	4.5	35.5	
		7-06-67	4.2	35.8	
		8-07-67	5.0	35.0	
		9-06-67	4.9	35.1	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MODESTO IRRIGATION DISTRICT 5-22.07					
3S/08E-03A02 M	73.0	10-04-66	24.1	48.9	5050
		11-03-66	23.8	49.2	
		12-12-66	23.3	49.7	
		1-05-67	23.0	50.0	
		2-06-67	22.9	50.1	
		3-06-67	22.5	50.5	
		4-07-67	22.0	51.0	
		5-05-67	21.8	51.2	
		6-07-67	21.0	52.0	
		7-06-67	21.3	51.7	
		8-07-67	19.9	53.1	
		9-06-67	20.1	52.9	
3S/08E-22C02 M	64.0	10-04-66	14.6	49.4	5050
		11-03-66	14.6	49.4	
		12-07-66	14.1	49.9	
		1-03-67	13.8	50.2	
		2-06-67	13.6	50.4	
		3-06-67	13.1	50.9	
		4-07-67	12.9	51.1	
		5-05-67	12.7	51.3	
		6-07-67	12.3	51.7	
		7-06-67	13.4	50.6	
		8-07-67	12.9	51.1	
		9-06-67	13.5	50.5	
3S/08E-24C02 M	74.0	3-00-67	23.8	50.2	5521
3S/09E-05N01 M	92.5	3-00-67	27.8	64.7	5521
3S/09E-21A01 M	99.2	3-00-67	41.6	57.6	5521
3S/09E-26F01 M	100.0	10-04-66	42.6	57.4	5050
		11-01-66	43.0	57.0	
		12-01-66	43.2	56.8	
		1-03-67	42.9	57.1	
		2-06-67	42.6	57.4	
		3-06-67	42.6	57.4	
		4-07-67	42.7	57.3	
		5-05-67	42.2	57.8	
		6-01-67	43.0	57.0	
		7-06-67	43.9	56.1	
		8-01-67	44.6	55.4	
		9-01-67	43.2	56.8	
MODESTO IRRIGATION DISTRICT 5-22.07					
3S/09E-30P01 M	82.5	3-00-67	□		5521
3S/10E-06G01 M	133.1	3-00-67	35.7	97.4	5521
3S/10E-29K01 M	119.2	3-00-67	46.2	73.0	5521
3S/10E-32G01 M	123.0	3-00-67	57.1	65.9	5521
3S/10E-33E01 M	120.0	10-03-66	56.2	63.8	5050
		11-01-66	55.6	64.4	
		12-01-66	55.2	64.8	
		1-03-67	54.9	65.1	
		2-02-67	55.2	64.8	
		3-02-67	54.8	65.2	
		4-07-67	54.4	65.6	
		5-01-67	53.9	66.1	
		6-01-67	53.9	66.1	
		7-06-67	52.3	62.7	
		8-01-67	52.1	66.9	
		9-01-67	54.0	66.0	
4S/08E-03E01 M	63.0	3-00-67	19.5	43.5	5521
TURLOCK IRRIGATION DISTRICT 5-22.08					
4S/08E-22R01 M	55.0	10-01-66	6.6	48.4	5050
		11-01-66	8.7	46.3	
		12-01-66	9.1	45.9	
		1-03-67	8.5	46.5	
		2-02-67	7.0	48.0	
		3-02-67	7.2	47.8	
		4-07-67	7.4	47.6	
		5-01-67	9.0	46.0	
		6-01-67	7.3	47.7	
		7-05-67	6.6	48.4	
		8-02-67	7.0	48.0	
		9-06-67	5.7	49.3	
4S/08E-27D01 M	55.0	4-00-67	9.1	45.9	5524
4S/09E-21A02 M	82.0	4-00-67	□		5524
4S/10E-21R01 M	109.0	4-00-67	10.7	98.3	5524
4S/11E-29N01 M	131.0	4-00-67	DRY		5524

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TURLOCK IRRIGATION DISTRICT					
5-22.08					
4S/11E-31R01 M	128.6	4-00-67	12.1	116.5	5524
5S/08E-01N01 M	53.0	4-00-67	5.7	47.3	5524
5S/08E-10A01 M	49.7	4-00-67	12.3	37.4	5524
5S/09E-04A01 M	70.0	10-04-66	6.8	63.2	5050
		11-01-66	7.2	62.8	
		12-07-66	6.6	63.4	
		1-05-67	6.6	63.4	
		2-06-67	5.4	64.6	
		3-06-67	6.6	63.4	
		4-07-67	6.1	63.9	
		5-01-67	6.9	63.1	
		6-07-67	4.5	65.5	
		7-06-67	3.9	66.1	
		8-03-67	4.6	65.4	
		9-06-67	4.4	65.6	
5S/09E-14R01 M	75.0	4-00-67	6.7	68.3	5524
5S/09E-24N01 M	75.0	4-00-67	5.8	69.2	5524
5S/09E-28A01 M	63.4	4-00-67	4.5	58.9	5524
5S/09E-34J01 M	64.0	10-04-66	16.4	47.6	5050
		11-03-66	7.1	56.9	
		12-08-66	6.6	57.4	
		1-05-67	11.2	52.8	
		2-06-67	6.1	57.9	
		3-06-67	5.6	58.4	
		4-07-67	15.1	48.9	
		5-05-67	15.6	48.4	
		6-07-67	14.3	49.7	
		7-06-67	14.2	49.8	
		8-03-67	14.0	50.0	
		9-06-67	14.0	50.0	
5S/10E-19R01 M	82.9	4-00-67	5.1	77.8	5524
5S/10E-21R01 M	92.0	4-00-67	7.6	84.4	5524
TURLOCK IRRIGATION DISTRICT					
5-22.08					
5S/11E-06J02 M	124.0	10-04-66	13.3	110.7	5050
		11-04-66	13.2	110.8	
		12-12-66	7.6	116.4	
		1-05-67	7.5	116.5	
		2-06-67	7.1	116.9	
		3-08-67	7.1	116.9	
		4-07-67	□		
		5-05-67	7.6	116.4	
		6-07-67	11.4	112.6	
		7-07-67	12.8	111.2	
		8-04-67	13.2	110.8	
		9-08-67	13.2	110.8	
5S/11E-21N01 M	125.0	4-00-67	8.0	117.0	5524
5S/11E-30A01 M	117.0	4-00-67	11.6	105.4	5524
5S/12E-31N01 M	150.0	4-00-67	□		5524
6S/09E-15R01 M	60.0	4-00-67	5.7	54.3	5524
6S/10E-21A01 M	85.6	4-00-67	5.6	80.0	5524
6S/10E-28D01 M	83.6	4-00-67	10.4	73.2	5524
6S/11E-08R01 M	115.0	4-00-67	11.7	103.3	5524
6S/11E-09N01 M	118.0	4-00-67	□		5524
MERCED IRRIGATION DISTRICT					
5-22.09					
6S/14E-32N01 M	178.1	3-10-67	15.8	162.3	5525
7S/10E-01N01 M	90.7	3-11-67	DRY		5525
7S/11E-01H01 M	118.0	10-04-66	14.3	103.7	5050
		11-03-66	14.1	103.9	
		12-08-66	14.2	103.8	
		1-05-67	14.1	103.9	
		2-06-67	14.1	103.9	
		3-06-67	13.8	104.2	
		4-07-67	14.1	103.9	
		5-05-67	13.9	104.1	
		6-07-67	13.9	104.1	
		7-07-67	15.2	102.8	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MERCED IRRIGATION DISTRICT					
7S/11E-01H01 M	118.0	8-07-67	14.1	103.9	5050
CONT.		9-01-67	13.8	104.2	
7S/11E-13N01 M	106.6	3-00-67	5.2	101.4	5525
7S/12E-12D01 M	148.0	10-04-66	16.4	131.6	5050
		11-03-66	16.6	131.4	
		12-08-66	DRY		
		1-05-67	DRY		
		1-06-67	DRY		
		3-06-67	DRY		
		4-07-67	DRY		
		5-05-67	DRY		
		6-07-67	13.6	134.4	
		7-07-67	12.9	135.1	
		8-07-67	12.0	136.0	
		9-01-67	12.1	135.9	
7S/12E-12R01 M	147.3	3-00-67	DRY		5525
7S/13E-16N01 M	151.9	3-00-67	DRY		5525
7S/13E-26D01 M	155.8	10-04-66	DRY		5050
		11-03-66	DRY		
		12-08-66	DRY		
		1-05-67	DRY		
		2-06-67	DRY		
		3-06-67	DRY		
		4-07-67	DRY		
		5-05-67	14.6	141.2	
		6-07-67	12.6	143.2	
		7-07-67	10.9	144.9	
		8-07-67	10.2	145.6	
		9-01-67	9.5	146.3	
7S/14E-16R01 M	187.5	3-00-67	DRY		5525
8S/12E-01D01 M	120.2	3-21-67	6.5	113.7	5525
8S/13E-09R01 M	135.0	3-20-67	7.5	127.5	5525
8S/14E-01A01 M	196.8	3-13-67	DRY		5525

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EL NIDO IRRIGATION DISTRICT					
9S/13E-14R01 M	133.0	2-00-67	0		5525
9S/14E-20B01 M	152.0	2-07-67	79.0	73.0	5525
DELTA-MENDOTA AREA					
2S/04E-16H01 M	78.0	11-02-66	5.0	73.0	5001
		2-24-67	6.2	71.8	
2S/04E-25J01 M	80.4	11-00-66	#		5001
2S/04E-28A01 M	187.0	11-02-66	137.0	50.0	5001
		2-24-67	126.9	60.1	
2S/05E-32A01 M	76.0	11-14-66	20.5	55.5	5001
		2-27-67	21.6	54.4	
3S/05E-08R02 M	195.7	11-03-66	120.2	75.5	5001
		3-03-67	0		
3S/05E-25Q01 M	207.0	11-03-66	114.6	92.4	5001
		3-08-67	116.0	91.0	
3S/05E-26K01 M	212.1	11-03-66	119.9	92.2	5001
		3-07-67	119.3	92.8	
3S/06E-16Q01 M	80.0	11-04-66	91.2	- 11.2	5001
		3-09-67	75.4	4.6	
3S/06E-16N01 M	99.3	11-09-66	10.5	88.8	5001
		2-28-67	12.0	87.3	
3S/06E-25D01 M	63.5	11-04-66	0		5001
		3-10-67	0		
4S/06E-04H01 M	163.3	11-04-66	0		5001
		3-10-67	121.7	41.6	
4S/06E-09R01 M	166.3	11-17-66	123.4	42.9	5001
		3-08-67	116.5	49.8	
4S/07E-27M01 M	68.0	11-04-66	0		5001
		3-20-67	0		

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
DELTA-MENDOTA AREA					
4S/07E-31D01 M	185.4	11-00-66	5-22.11		5001
5S/07E-13K01 M	107.0	11-25-66 3-20-67	#	54.2 52.3	5001
5S/07E-14D01 M	130.4	11-25-66 3-15-67	74.4 73.2	56.0 57.2	5001
5S/08E-05K01 M	58.7	3-00-67	□		5001
6S/07E-12P01 M	248.3	10-17-66 3-13-67	13.9 10.8	234.4 237.5	5050
6S/08E-12L01 M	64.3	3-00-67	□		5001
6S/08E-16M01 M	129.5	10-17-66 3-13-67	73.4 61.2	56.1 68.3	5050
6S/08E-27J01 M	114.5	10-18-66 3-14-67	50.5 43.8	64.0 70.7	5050
6S/08E-29J01 M	190.0	10-17-66 3-14-67	114.6 111.2	76.4 78.8	5050
7S/08E-22L01 M	127.9	10-19-66 3-15-67	45.4 □	82.5	5050
7S/09E-04R01 M	65.6	10-18-66 3-15-67	15.7 □	49.9	5050
7S/09E-26N01 M	68.4	10-20-66 3-22-67	8.3 7.0	60.1 61.4	5050
8S/08E-01N01 M	123.2	10-19-66 3-20-67	15.5 23.0	107.7 100.2	5050
8S/08E-15J01 M	172.8	10-19-66 3-20-67	□ □		5050
8S/09E-26H01 M	75.0	10-20-66 3-22-67	47.7 16.4	27.3 58.6	5050
8S/09E-26H03 M	75.0	10-20-66 3-22-67	4.6 1.0	70.4 74.0	5050
DELTA-MENDOTA AREA					
8S/10E-21L04 M	75.0	10-20-66 3-23-67	6.4 2.4	68.6 72.6	5050
9S/08E-13D01 M	201.6	10-00-66 3-00-67	□ □		5050
9S/09E-18N01 M	153.6	10-24-66 3-24-67	31.8 □	121.8	5050
9S/09E-23L01 M	100.0	10-24-66 3-27-67	68.4 45.8	31.6 54.2	5050
9S/10E-19B01 M	84.0	10-21-66 3-24-67	2.3 - 0.2	81.7 84.2	5050
9S/10E-23J01 M	87.0	10-21-66 3-27-67	57.0 37.4	30.0 49.6	5050
9S/11E-16H01 M	91.0	10-24-66 3-27-67	6.7 7.9	84.3 83.1	5050
9S/11E-20J01 M	90.5	10-24-66 3-27-67	41.7 41.3	48.8 49.2	5050
10S/09E-06A01 M	147.0	10-21-66 3-27-67	8.9 9.7	138.1 137.3	5050
10S/09E-08B01 M	167.0	10-21-66 3-27-67	79.0 76.2	88.0 90.8	5050
10S/10E-02R01 M	99.5	10-21-66 3-23-67	17.6 18.2	81.9 81.3	5050
10S/10E-11R01 M	106.6	10-20-66 3-23-67	23.2 19.4	83.4 87.2	5050
10S/10E-31G01 M	191.1	10-17-66 3-23-67	158.7 154.0	32.4 37.1	5050
10S/11E-23D01 M	99.0	10-20-66 3-27-67	11.8 5.4	87.2 93.6	5050
10S/11E-27E02 M	101.3	10-20-66 3-22-67	57.7 51.1	43.6 50.2	5050

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
DELTA - MENDOTA AREA											
5-22.11											
11S/10E-11J01 M	157.3	10-19-66 3-21-67	58.0 48.0	99.3 109.3	5050	9S/15E-22R02 M CONT.	216.5	6-27-67 7-25-67 8-23-67 9-20-67	□ □ □ □		5001
11S/10E-22Q01 M	246.8	10-19-66 3-21-67	143.6 140.2	103.2 106.6	5050	9S/15E-25J02 M	230.0	2-09-67	49.0	181.0	5001
11S/11E-02J02 M	106.0	10-19-66 3-15-67	3.5 1.4	102.5 104.6	5050	9S/16E-22R01 M	267.0	10-25-66 11-22-66 12-20-66	42.8 42.5 42.6	224.2 224.5 224.4	5001
11S/11E-22Q01 M	114.2	10-18-66 3-15-67	6.3 1.4	107.9 112.8	5050			1-24-67 2-27-67 3-29-67 4-27-67 5-22-67 6-27-67 7-25-67 8-23-67 9-20-67	41.9 43.1 43.0 42.3 41.7 41.4 41.8 41.6 41.1	225.1 223.9 224.0 224.7 225.3 225.6 225.2 225.4 225.9	
11S/11E-22Q03 M	119.0	10-18-66 3-15-67	9.2 6.8	109.8 112.2	5050						
11S/12E-31C01 M	132.0	10-18-66 3-15-67	24.8 16.7	107.2 115.3	5050						
12S/12E-04D01 M	138.0	11-04-66 3-07-67	□ □		5001	9S/17E-21L01 M	320.0	2-00-67	□		5001
12S/12E-16H05 M	168.0	10-00-66	#		5000	9S/17E-35J01 M	320.0	2-09-67	84.5	235.5	5001
12S/12E-25D01 M	177.0	11-08-66 3-09-67	62.8 60.4	114.2 116.6	5001	9S/18E-33Q01 M	365.0	2-09-67	54.8	310.2	5001
12S/12E-25D02 M	177.0	11-08-66 3-09-67	9.4 9.2	167.6 167.8	5001	10S/14E-08B03 M	147.0	10-25-66 11-22-66 12-20-66	89.9 86.0 78.3	57.1 61.0 68.7	5001
12S/13E-10N01 M	144.0	11-04-66 3-06-67	DRY DRY		5001			1-24-67 2-27-67 3-27-67 4-27-67 5-23-67 6-30-67 7-25-67 8-24-67 9-20-67	74.8 75.7 73.8 76.7 84.1 89.5 93.3 89.5	70.0 72.2 71.3 73.2 70.3 57.5 53.7 57.5	5001
CHOWCHILLA WATER DISTRICT											
5-22.12											
9S/14E-25R01 M	185.0	2-09-67	67.0	118.0	5001	10S/15E-23K01 M	195.5	2-10-67	74.7	120.8	5001
9S/15E-22R02 M	216.5	10-25-66 11-22-66 12-20-66	□ □ □		5001	10S/15E-27D03 M	184.0	10-25-66 11-22-66 12-20-66	78.1 80.7 74.7	105.9 103.3 109.3	5001
		1-24-67 2-27-67 3-29-67 4-27-67 5-23-67	96.4 92.6 91.4 86.2 □	120.1 123.9 125.1 130.3							

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CHOWCHILLA WATER DISTRICT					
10S/15E-27D03 M CONT.	184.0	1-24-67 2-28-67 3-29-67 4-27-67 5-23-67 6-27-67 7-25-67 8-24-67 9-20-67	5-22-12 73.0 72.3 72.7 70.7 71.1 □ □ □ □	111.0 111.7 111.3 113.3 112.9	5001
10S/16E-09E01 M	232.0	10-15-66 11-22-66 12-20-66 1-24-67 2-27-67 3-29-67 4-27-67 5-23-67 6-27-67 7-25-67 8-23-67 9-20-67	□ 101.3 84.2 81.7 75.8 82.1 76.8 84.2 □ □ 91.6 83.7	130.7 147.8 150.3 156.2 149.9 155.2 147.8	5001
10S/16E-29R01 M	209.5	2-06-67	82.0	127.5	5001
MADERA IRRIGATION DISTRICT					
10S/18E-20B01 M	326.0	2-10-67	70.0	256.0	5001
10S/19E-16D01 M	387.0	2-10-67	15.8	371.2	5001
11S/16E-06A01 M	196.0	10-25-66 11-28-66 12-27-66 1-26-67 2-27-67 3-29-67 4-28-67 5-29-67 6-29-67 7-27-67 8-28-67 9-22-67	5-22-13 79.4 76.0 72.1 69.8 68.8 69.4 68.8 70.0 70.9 73.0 75.9 76.1	116.6 120.0 123.9 126.2 127.2 126.6 127.2 126.0 125.1 123.0 120.1 119.9	5001 5001 5001
MADERA IRRIGATION DISTRICT					
11S/16E-10N01 M	204.0	10-25-66 11-28-66 12-27-66 1-26-67 2-27-67 3-29-67 4-28-67 5-29-67 6-29-67 7-27-67 8-28-67 9-22-67	5-22-13 76.4 75.3 72.9 73.3 73.5 73.0 70.0 68.4 70.4 70.4 69.3 70.2	127.6 128.7 131.1 130.7 135.5 131.0 134.0 135.6 133.6 134.7 134.2 133.8	5001
11S/17E-27C01 M	250.0	2-08-67	80.9	169.1	5001
11S/18E-20N01 M	272.5	2-06-67	76.0	196.5	5001
11S/18E-27M01 M	284.0	10-25-66 11-28-66 12-27-66 1-26-67 2-27-67 3-29-67 4-28-67 5-29-67 6-29-67 7-27-67 8-28-67 9-22-67	93.9 82.0 83.6 83.8 82.0 86.0 82.0 83.0 84.5 □ 91.8 85.0	190.1 202.0 200.4 200.2 202.0 198.0 202.0 201.0 199.5 192.2 199.0	5001 5001 5001
12S/16E-23A01 M	205.0	2-08-67	81.0	124.0	5001
12S/17E-08G01 M	230.0	10-25-66 11-28-66 12-27-66 1-26-67 2-27-67 3-29-67 4-28-67 5-29-67 6-29-67 7-27-67 8-28-67 9-22-67	90.7 86.3 81.4 82.0 80.8 81.7 79.1 80.8 83.0 86.6 88.4 89.6	139.3 143.7 148.6 148.0 149.2 148.3 150.9 149.2 147.0 143.4 141.6 140.4	5001 5001

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MADERA IRRIGATION DISTRICT					
12S/17E-20P01 M	218.0	10-25-66	103.8	114.2	5001
		11-28-66	□	137.8	
		12-27-66	80.2	147.1	
		1-26-67	70.9	149.3	
		2-27-67	68.7		
		3-29-67	□	140.8	
		4-28-67	77.2		
		5-29-67	□		
		6-29-67	□		
		7-27-67	□		
		8-28-67	□		
		9-22-67	□		
12S/17E-21H01 M	228.0	2-08-67	74.5	153.5	5001
12S/17E-26C01 M	235.0	10-25-66	64.4	170.6	5001
		11-28-66	64.8	170.2	
		12-27-66	62.0	173.0	
		1-26-67	61.4	173.6	
		2-27-67	61.8	173.2	
		3-29-67	63.8	171.2	
		4-28-67	60.9	173.1	
		5-29-67	62.0	173.0	
		6-29-67	63.0	172.0	
		7-27-67	□		
		8-28-67	61.0	174.0	
		9-22-67	61.5	173.5	
12S/17E-34R01 M	234.0	10-25-66	60.4	173.6	5001
		11-28-66	□	173.6	
		12-27-66	60.4	177.5	
		1-26-67	56.5	179.5	
		2-27-67	54.5	176.3	
		3-29-67	57.7	178.4	
		4-28-67	55.6	177.5	
		5-29-67	56.5	176.0	
		6-29-67	58.0	176.6	
		7-27-67	57.4	178.8	
		8-28-67	55.2	178.1	
		9-22-67	55.9		
12S/18E-13R01 M	288.0	10-25-66	81.0	207.0	5001
		11-28-66	80.5	207.5	
		12-27-66	80.0	208.0	
MADERA IRRIGATION DISTRICT					
12S/18E-13R01 M	288.0	1-26-67	79.6	208.4	5001
		2-27-67	80.2	207.8	
		3-29-67	79.3	208.7	
		4-28-67	78.9	209.1	
		5-29-67	79.8	208.2	
		6-29-67	81.8	206.2	
		7-27-67	80.2	207.8	
		8-28-67	79.8	208.2	
		9-22-67	80.9	207.1	
12S/18E-21G01 M	265.0	2-09-67	80.7	184.3	5001
12S/18E-21H01 M	267.0	10-25-66	76.9	190.1	5001
		11-28-66	76.6	190.4	
		12-27-66	76.0	191.0	
		1-26-67	79.0	188.0	
		2-27-67	79.8	187.2	
		4-01-67	75.5	191.5	
		4-28-67	73.7	193.3	
		5-29-67	83.9	183.1	
		6-29-67	85.6	181.4	
		7-27-67	73.0	194.0	
		8-28-67	74.3	192.7	
		9-22-67	74.8	192.2	
12S/19E-28A01 M	307.5	2-08-67	82.1	225.4	5001
WEST CHOWCHILLA-MADERA AREA					
10S/13E-22R01 M	119.0	2-08-67	26.5	92.5	5001
10S/14E-01R01 M	177.0	2-17-67	68.7	108.3	5001
10S/14E-31H01 M	130.0	10-25-66	35.8	94.2	5001
		11-22-66	35.7	94.3	
		12-20-66	38.2	91.8	
		1-24-67	38.4	91.6	
		2-28-67	39.6	90.4	
		3-29-67	39.7	90.3	
		4-27-67	40.3	89.7	
		5-23-67	39.4	90.6	
		6-27-67	40.2	89.8	
		7-25-67	40.4	89.6	
		8-24-67	41.7	88.3	
		9-20-67	41.1	88.9	

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
WEST CHOWCHILLA -MADERA AREA											
5-22.14											
10S/14E-35F01 M	151.0	10-25-66	□		5001	12S/14E-25H01 M	150.0	10-26-66	16.8	133.2	5001
		11-22-66	□	74.3				11-23-66	15.8	134.2	
		12-20-66	76.7	77.1				12-21-66	15.8	134.2	
		1-24-67	73.9	77.5				1-25-67	15.9	134.1	
		2-28-67	73.5					2-27-67	16.8	133.2	
		3-29-67	□					3-30-67	15.9	134.1	
		4-27-67	69.7	81.3				4-28-67	14.5	136.5	
		5-23-67	□					5-24-67	15.6	134.4	
		6-27-67	81.5	69.5				6-28-67	13.6	136.4	
		7-25-67	□					7-26-67	□	131.4	
		8-24-67	□					8-24-67	□		
		9-20-67	□					9-21-67	□		
WEST CHOWCHILLA -MADERA AREA											
5-22.14											
11S/14E-33L01 M	135.0	10-26-66	21.7	113.3	5001	12S/15E-14L01 M	165.1	2-06-67	□		5001
		11-23-66	17.9	117.1				10-25-66	76.3	117.7	
		12-21-66	13.3	121.7				11-28-66	70.0	124.0	
		1-24-67	12.2	122.8				12-27-66	62.5	131.5	
		2-27-67	19.0	116.0				1-26-67	62.0	132.0	
		3-29-67	□					2-27-67	61.9	132.1	
		4-28-67	11.2	123.8				3-29-67	65.0	129.0	
		5-24-67	11.4	123.6				4-28-67	59.0	135.0	
		6-28-67	11.1	123.9				5-29-67	66.9	127.1	
		7-26-67	□					6-29-67	68.0	126.0	
		8-24-67	14.6	120.4				7-27-67	80.2	113.8	
		9-21-67	14.6	120.4				8-28-67	77.4	116.6	
11S/15E-33E01 M	158.0	2-07-67	47.8	110.2	5001	12S/20E-14A01 M	360.0	2-13-67	101.7	258.3	5001
FRESNO IRRIGATION DISTRICT											
5-22.15											
11S/15E-33P01 M	158.0	10-25-66	61.1	96.9	5001	12S/21E-34D01 M	387.7	11-01-66	62.4	325.3	5631
		11-23-66	58.8	99.2				12-01-66	60.0	327.7	
		12-21-66	45.4	112.6				12-27-66	64.4	323.3	
		1-25-67	45.0	113.0				1-31-67	63.6	324.1	
		2-27-67	45.8	112.2				3-01-67	64.0	323.7	
		3-31-67	□					4-03-67	56.1	331.6	
		4-28-67	54.1	103.9				4-25-67	55.4	332.3	
		5-24-67	66.5	91.5				5-31-67	55.8	331.9	
		6-28-67	64.0	94.0				6-29-67	50.2	337.5	
		7-26-67	65.5	92.5				7-28-67	56.2	331.5	
		8-24-67	66.5	91.5				8-25-67	55.8	331.9	
		9-21-67	63.7	94.3				9-26-67	55.2	332.5	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FRESNO IRRIGATION DISTRICT											
5-22-15											
12S/22E-21E01 M	473.0	2-10-67	19.5	453.5	5001	13S/18E-34D01 M	245.0	10-24-66	5-22-15	183.4	5001
13S/17E-22B01 M	220.8	10-24-66	37.4	183.4	5631			11-21-66	61.6	184.5	
		11-28-66	33.9	181.9				12-19-66	60.4	184.6	
		12-29-66	43.0	177.8				1-23-67	60.0	185.0	
		1-31-67	42.3	178.5				2-27-67	62.7	182.3	
		3-01-67	41.0	179.8				3-28-67	62.7	182.3	
		4-03-67	40.8	180.0				4-26-67	62.0	183.0	
		4-26-67	39.0	181.8				5-22-67	58.9	186.1	
		5-25-67	36.9	183.9				6-26-67	61.4	183.6	
		6-27-67	35.5	185.3				7-24-67	58.3	186.7	
		7-25-67	35.8	185.0				8-22-67	57.8	187.2	
		8-29-67	36.4	184.4				9-19-67			
13S/17E-33D01 M	211.0	10-24-66	□	152.0	5001	13S/19E-09Q01 M	288.2	11-01-66	67.0	221.2	5631
		11-21-66	59.0	151.1				11-28-66	68.2	230.0	
		12-19-66	59.9	151.1				12-31-66	69.8	218.4	
		1-23-67	55.5	155.5				1-31-67	68.9	219.3	
		2-27-67	53.0	158.0				3-01-67	69.6	218.6	
		3-28-67	53.9	157.1				3-31-67	72.1	216.1	
		4-26-67	51.5	159.5				4-26-67	66.5	221.7	
		5-22-67	52.9	158.1				5-25-67	66.1	222.1	
		6-26-67	53.7	157.3				6-27-67	63.7	224.5	
		7-24-67	55.0	156.0				7-25-67	66.0	222.2	
		8-22-67	56.0	155.0				8-28-67	64.4	223.8	
		9-19-67	52.2	158.8							
13S/18E-10P01 M	258.0	10-24-66	50.9	207.1	5001	13S/19E-16K01 M	290.0	10-24-66	83.3	206.7	5001
		11-21-66	58.7	199.3				11-21-66	85.3	204.7	
		12-19-66	58.2	199.8				12-19-66	87.5	202.5	
		1-23-67	58.5	199.5				1-23-67	79.8	210.2	
		2-27-67	58.7	199.3				2-27-67	79.0	211.0	
		3-30-67	56.8	201.2				3-28-67	□		
		4-26-67	58.6	199.4				4-26-67	78.4	211.6	
		5-22-67	58.0	200.0				5-22-67	80.1	209.9	
		6-26-67	50.6	207.4				6-26-67	82.9	207.1	
		7-24-67	54.6	203.4				7-24-67	83.7	206.3	
		8-22-67	53.7	204.3				8-24-67	83.0	207.0	
		9-19-67	48.5	209.5				9-19-67	74.1	215.9	
13S/18E-16D01 M	253.0	2-07-67	59.9	193.1	5001	13S/20E-02L01 M	336.7	11-01-66	86.2	250.5	5631
								12-01-66	88.7	248.0	
								12-27-66	90.2	246.5	
								1-31-67	89.3	247.4	
								3-01-67	90.6	246.1	
								3-30-67	87.6	249.1	
								4-25-67	92.1	244.6	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FRESNO IRRIGATION DISTRICT					
5-22.15					
13S/20E-02L01 M	336.7	5-31-67	96.0	240.7	5631
		6-27-67	88.0	248.7	
		7-28-67	90.7	246.0	
		8-28-67	□		
		9-26-67	89.4	247.3	
13S/21E-23D01 M	362.0	11-01-66	38.0	324.0	5631
		11-30-66	35.5	326.5	
		12-29-66	34.4	327.6	
		1-31-67	35.0	327.0	
		3-01-67	37.6	324.4	
		3-30-67	26.0	336.0	
		4-25-67	26.6	335.4	
		5-31-67	24.3	337.7	
		6-29-67	20.5	341.5	
		7-28-67	18.8	343.2	
		8-25-67	15.0	347.0	
		9-26-67	12.0	350.0	
13S/23E-31P01 M	406.5	3-02-67	30.8	375.7	5631
14S/18E-08J01 M	227.4	11-01-66	71.2	156.2	5631
		11-29-66	68.9	158.5	
		12-29-66	68.6	158.8	
		1-31-67	65.0	162.4	
		3-01-67	71.1	156.3	
		4-03-67	71.8	155.6	
		4-27-67	66.5	160.9	
		5-26-67	68.7	158.7	
		6-29-67	□		
		7-26-67	□		
		8-28-67	□		
14S/19E-20B02 M	247.2	11-01-66	57.7	189.5	5631
		11-30-66	56.3	190.9	
		12-29-66	56.5	190.7	
		1-31-67	57.9	189.3	
		3-01-67	58.0	189.2	
		3-29-67	60.8	186.4	
		4-25-67	57.2	190.0	
		5-29-67	54.7	192.5	
		6-29-67	60.2	187.0	
		7-27-67	55.6	191.6	
		8-29-67	56.7	190.5	
FRESNO IRRIGATION DISTRICT					
5-22.15					
14S/20E-06J01 M	279.4	11-01-66	68.6	210.8	5631
		11-30-66	67.3	212.1	
		12-30-66	66.2	213.2	
		1-31-67	71.2	208.2	
		3-01-67	64.9	214.5	
		3-30-67	66.3	213.1	
		4-25-67	66.9	212.5	
		5-29-67	66.6	212.8	
		6-27-67	70.3	209.1	
		7-27-67	70.2	209.2	
		8-28-67	70.2	209.2	
		9-26-67	69.6	209.8	
14S/21E-14A01 M	334.0	11-01-66	49.0	287.6	5631
		11-30-66	45.4	288.6	
		12-28-66	45.6	288.4	
		1-31-67	42.1	291.9	
		3-01-67	41.4	292.6	
		3-31-67	45.4	288.6	
		4-26-67	@		
14S/22E-01P01 M	397.0	11-01-66	41.8	355.2	5631
		12-01-66	41.2	355.8	
		12-27-66	46.6	350.4	
		1-31-67	40.7	356.3	
		3-01-67	40.7	356.3	
		3-31-67	40.8	356.2	
		4-26-67	39.7	357.3	
		5-29-67	@		
15S/20E-13E02 M	282.5	11-01-66	44.5	238.0	5631
		11-30-66	41.2	241.3	
		12-28-66	42.9	239.6	
		1-31-67	43.9	238.6	
		3-01-67	46.2	236.3	
		3-29-67	46.3	236.2	
		4-25-67	45.2	237.3	
		5-29-67	44.0	238.5	
		6-26-67	39.9	242.6	
		7-27-67	39.0	243.5	
		8-31-67	39.0	243.5	
		9-27-67	36.7	245.8	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CITY OF FRESNO					
13S/20E-21J01 M	310.0	3-00-67	94.7	215.3	5200
13S/20E-23B01 M	325.0	10-27-66	98.8	226.2	5200
		11-28-66	97.3	221.7	
		12-28-66	96.2	222.8	
		1-30-67	94.3	230.7	
		2-27-67	92.9	232.1	
		3-28-67	93.9	231.1	
		4-28-67	92.2	232.8	
		5-31-67	93.8	231.2	
		6-29-67	92.9	229.1	
		7-28-67	96.4	228.6	
		8-30-67	98.6	226.4	
		9-27-67	101.8	223.2	
13S/20E-28E01 M	299.3	10-27-66	98.2	201.1	5200
		11-28-66	88.3	211.0	
		12-28-66	86.5	212.8	
		1-30-67	86.5	212.8	
		3-01-67	86.0	213.3	
		3-28-67	92.5	206.8	
		4-26-67	86.1	213.2	
		5-29-67	87.5	211.8	
		6-29-67	89.7	209.6	
		7-26-67	92.3	207.0	
		8-30-67	94.0	205.3	
		9-28-67	95.8	203.5	
13S/20E-35H02 M	305.3	10-27-66	92.8	212.5	5200
		11-29-66	90.3	215.0	
		12-28-66	88.7	216.6	
		1-30-67	87.2	218.1	
		2-28-67	80.0	225.3	
		3-28-67	92.7	212.6	
		4-28-67	80.4	224.9	
		5-29-67	83.6	221.7	
		6-29-67	84.5	220.8	
		7-26-67	87.3	218.0	
		8-30-67	87.3	218.0	
		9-27-67	87.4	217.9	
14S/20E-10W01 M	291.4	10-27-66	87.1	204.3	5200
		11-30-66	83.3	208.1	
		12-28-66	81.6	209.8	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CITY OF FRESNO					
14S/20E-10W01 M	291.4	1-31-67	80.1	211.3	5200
		3-01-67	80.1	211.3	
		3-28-67	87.3	204.1	
		4-26-67	78.2	213.2	
		5-29-67	81.6	209.8	
		6-28-67	83.9	207.5	
		7-26-67	85.9	205.5	
		8-30-67	89.3	202.1	
		9-27-67	89.9	201.5	
FRESNO SLOUGH AREA					
13S/15E-28H01 M	162.0	2-09-67	32.7	129.3	5001
13S/15E-35D02 M	165.5	10-00-66	#		5001
13S/17E-17A01 M	205.0	10-24-66	20.3	184.7	5001
		11-28-66	18.8	186.2	
		12-19-66	18.6	186.4	
		1-23-67	18.5	186.5	
		2-27-67	17.7	187.3	
		3-28-67	15.7	189.3	
		4-26-67	14.6	190.4	
		5-22-67	13.4	191.6	
		6-26-67	14.8	190.2	
		7-24-67	16.7	188.3	
		8-22-67	18.0	187.0	
		9-19-67			
14S/15E-25H02 M	160.0	10-24-66	25.1	134.9	5001
		11-21-66	22.5	137.5	
		12-19-66	21.2	138.8	
		1-23-67	24.2	135.8	
		2-27-67			
		3-28-67	23.9	136.1	
		4-26-67	28.5	131.5	
		5-22-67	30.7	129.3	
		6-26-67	33.0	127.0	
		7-24-67	33.8	126.2	
		8-22-67	33.0	127.0	
		9-19-67			

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FRESNO SLOUGH AREA											
14S/16E-03C01 M	177.0	10-24-66	61.2	115.8	5001	15S/17E-22R01 M	187.0	2-00-67	5-22-17		5001
		11-21-66	55.2	121.8							
		12-19-66	53.8	123.2							
		1-23-67	47.2	129.8							
		2-27-67	48.0	129.0							
		3-28-67	53.3	123.7							
		4-26-67	45.6	131.4							
		5-22-67	53.7	123.3							
		6-26-67	□								
		7-24-67	64.3	112.7							
		8-22-67	65.2	111.8							
		9-19-67	64.8	112.2							
14S/16E-08D01 M	165.0	10-24-66	42.1	122.9	5001	15S/18E-07A02 M	204.0	10-24-66	118.3	85.7	5001
		11-21-66	37.0	128.0							
		12-19-66	32.5	132.5							
		1-23-67	30.1	134.9							
		2-27-67	31.8	133.2							
		3-28-67	46.6	118.4							
		4-26-67	32.0	133.0							
		5-22-67	40.7	124.3							
		6-26-67	45.2	119.8							
		7-24-67	49.2	115.8							
		8-22-67	58.4	106.6							
		9-19-67	□								
14S/16E-22N01 M	163.0	2-00-67	□		5001	15S/18E-16G01 M	205.8	2-00-67	□		5001
14S/17E-25A01 M	211.0	2-00-67	□		5001	15S/19E-29C01 M	227.3	10-00-66	#		5631
15S/16E-01L01 M	171.0	2-00-67	□		5001	16S/17E-23N01 M	185.0	2-00-67	□		5001
15S/16E-12C03 M	169.5	10-24-66	34.5	135.0		16S/18E-03J01 M	206.0	10-10-66	112.5	93.5	5050
		11-21-66	33.3	136.2							
		12-19-66	32.7	136.8							
		1-23-67	32.8	136.7							
		2-27-67	34.9	134.6							
		3-28-67	35.4	134.1							
		4-26-67	34.2	135.3							
		5-22-67	33.4	136.1							
		6-26-67	30.9	138.6							
		7-24-67	29.7	139.8							
		8-22-67	29.7	139.8							
		9-19-67	29.8	139.7							

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FRESNO SLOUGH AREA											
5-22-17											
16S/18E-03J01 M CONT.	206.0	7-31-67 9-05-67	□ 127.0	79.0	5050	15S/19E-24N01 M CONT.	246.6	4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67	87.1 84.4 89.5 90.8 92.9 88.6 85.6	159.5 162.2 157.1 155.8 153.7 158.0 161.0	5636
16S/18E-27C01 M	198.0	2-23-67	105.5	92.5	5050	15S/20E-28A01 M	264.8	10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67	57.8 57.7 57.5 56.8 56.4 56.2 59.2 58.1 59.7 60.8 62.4 59.4 57.3	207.0 207.1 207.3 208.0 208.4 208.6 205.6 206.7 205.1 204.0 202.4 205.4 207.5	5636
16S/19E-34P01 M	220.0	10-10-66 11-04-66 11-28-66 1-06-67 2-06-67 2-21-67 4-11-67 4-28-67 6-02-67 7-05-67 7-31-67 9-05-67	102.5 98.0 98.0 96.0 98.0 94.5 □ □ □ 121.0 128.1 □	117.5 122.0 124.0 122.0 125.5	5050	17S/17E-12H01 M	199.0	2-24-67	□	99.0 91.9	5050
17S/18E-23A02 M	200.0	2-23-67	76.0	124.0	5050	17S/18E-23A02 M	200.0	2-23-67	76.0	124.0	5050
CONSOLIDATED IRRIGATION DISTRICT											
5-22-18											
14S/22E-22N01 M	355.7	10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67	31.7 32.1 32.4 32.2 32.3 32.4 32.5 32.3 32.2 32.1 31.8 30.4 29.2	324.0 323.6 323.3 323.5 323.4 323.3 323.2 323.4 323.5 323.6 323.9 325.3 326.5	5636	15S/21E-15D01 M	301.0	10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67	36.8 36.7 36.5 35.9 35.5 35.3 35.6 35.2 35.8 32.9 36.4 35.3 34.5	264.2 264.3 264.5 265.1 265.5 265.7 265.4 265.8 265.2 265.1 264.6 265.7 266.5	5636
15S/22E-16A01 M	246.6	10-04-66 11-03-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67 6-02-67 6-30-67 7-28-67 8-31-67 9-30-67	89.6 91.5 87.9 86.1 84.8 84.0	157.0 155.1 158.7 160.5 151.8 162.6	5636	15S/22E-16A01 M	337.0	10-04-66 11-02-66 11-30-66 1-04-67 2-03-67 3-01-67 4-05-67 5-01-67	34.0 34.9 35.9 35.0 35.0 34.9 36.3 35.0	303.0 302.1 301.1 302.0 302.0 302.1 300.7 302.0	5636

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	
CONSOLIDATED IRRIGATION DISTRICT 5-22.18												
15S/22E-16A01 M CONT.	337.0	6-02-67	34.9	302.1	5636	16S/20E-22N01 M CONT.	247.7	6-30-67	68.4	179.3	5636	
		6-30-67	33.5	303.5				7-28-67	68.4	179.3		
		7-28-67	32.8	304.2				8-31-67	68.4	179.3		
		8-31-67	30.6	306.4				9-30-67	53.6	194.1		
15S/22E-29D01 M	321.9	10-04-66	39.0	282.9	5636	16S/21E-22N01 M	271.7	10-04-66	54.9	216.8	5636	
		11-03-66	39.6	282.3				11-03-66	53.7	218.0		
		11-30-66	39.5	282.4				11-30-66	52.7	219.0		
		1-04-67	39.8	282.1				1-04-67	52.0	219.7		
		2-03-67	39.6	282.3				2-03-67	51.3	220.4		
		3-01-67	39.4	282.5				3-01-67	51.6	220.1		
		4-05-67	38.0	283.9				4-05-67	53.3	218.4		
		5-01-67	37.4	284.5				5-01-67	52.0	219.7		
		6-02-67	38.3	283.6				6-02-67	52.6	219.1		
		6-30-67	36.1	285.8				6-30-67	53.1	218.6		
		7-28-67	34.5	287.4				7-28-67	54.3	217.4		
		8-31-67	31.5	290.4				8-31-67	54.1	217.6		
		9-30-67	30.4	291.5				9-30-67	49.2	222.5		
16S/19E-14A01 M	235.5	10-04-66	94.5	141.0	5636	16S/22E-23R01 M	297.5	10-04-66	29.7	267.8	5636	
		11-03-66	94.1	141.4				11-03-66	29.1	268.4		
		11-30-66	92.5	143.0				11-30-66	29.7	267.8		
		1-04-67	91.7	143.8				1-04-67	29.6	267.9		
		2-03-67	89.3	146.2				2-03-67	29.7	267.8		
		3-01-67	89.0	146.5				3-01-67	29.7	267.8		
		4-05-67	94.1	141.4				4-05-67	29.7	267.8		
		5-01-67	92.0	143.5				5-01-67	29.7	267.8		
		6-02-67	96.8	138.7				6-02-67	29.7	267.8		
		6-30-67	100.1	135.4				6-30-67	29.7	267.8		
		7-28-67	101.5	134.0				7-28-67	29.7	267.8		
		8-31-67	99.6	135.9				8-31-67	29.7	267.8		
		9-30-67	97.1	138.4				9-30-67	29.0	268.5		
16S/20E-22N01 M	247.7	10-04-66	72.4	175.3	5636	17S/22E-03C01 M	286.0	10-04-66	28.7	257.3	5636	
		11-03-66	72.0	175.7				11-03-66	29.5	256.5		
		11-30-66	71.8	175.9				11-30-66	29.2	256.8		
		1-04-67	70.8	176.9				1-04-67	29.6	256.4		
		2-03-67	69.3	177.4				2-03-67	28.0	258.0		
		3-01-67	68.7	179.0				3-01-67	27.5	258.5		
4-05-67	70.5	177.2	4-05-67	27.8	258.2							
5-01-67	70.2	177.5	5-01-67	25.8	260.2							
6-02-67	69.8	177.9	6-02-67	21.8	264.2							
											19.4	266.6

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	
CONSOLIDATED IRRIGATION DISTRICT												
17S/22E-03C01 M	286.0	7-28-67	17.0	269.0	5636	ALTA IRRIGATION DISTRICT						5637
CONT.		8-31-67	17.9	268.1		15S/24E-22D01 M	388.0	8-31-67	17.0	371.0	5637	
		9-30-67	15.6	270.4		CONT.		9-29-67	18.6	369.4		
ALTA IRRIGATION DISTRICT												
14S/23E-36R01 M	391.0	10-28-66	□	327.9	5637	16S/23E-23E01 M	314.0	10-22-66	31.6	282.4	5637	
		11-29-66	63.1	334.9				11-28-66	31.2	282.8		
		1-02-67	56.1	333.9				12-28-66	30.8	283.2		
		2-02-67	57.1	333.9				2-02-67	30.5	283.5		
		2-28-67	55.8	335.2				2-27-67	30.3	283.7		
		3-30-67	□					3-29-67	31.0	283.0		
		5-01-67	52.0	339.0				4-26-67	30.4	283.6		
		5-31-67	47.0	344.0				5-26-67	32.2	281.8		
		6-30-67	42.8	348.2				6-28-67	29.8	284.2		
		7-28-67	40.3	350.7				7-27-67	30.2	283.8		
		8-30-67	35.9	355.1				8-29-67	28.2	285.8		
		9-28-67	38.2	352.8				9-27-67	25.1	288.9		
14S/24E-31P01 M	395.0	2-28-67	54.0	341.0	5001	16S/24E-21J01 M	336.0	10-26-66	42.1	293.9	5637	
								11-25-66	42.2	293.8		
15S/23E-23A02 M	358.0	10-28-66	59.3	298.7	5637			12-27-66	40.8	295.2		
		11-29-66	53.9	304.1				2-02-67	40.5	295.5		
		1-02-67	52.4	305.6				2-23-67	39.2	296.8		
		2-02-67	51.7	306.3				3-28-67	39.1	297.1		
		2-28-67	51.3	306.7				4-25-67	38.9	298.2		
		3-30-67	51.5	306.5				5-25-67	37.8	298.2		
		5-01-67	50.0	308.0				6-27-67	35.6	300.4		
		5-31-67	48.7	309.3				7-26-67	32.6	303.4		
		6-30-67	46.8	311.2				8-28-67	32.4	303.6		
		7-28-67	44.3	313.7				9-26-67	30.3	305.7		
		8-30-67	40.2	317.8								
		9-28-67	37.8	320.2				10-26-66	□	306.6	5637	
15S/24E-22D01 M	388.0	10-31-66	45.0	343.0	5637			11-25-66	57.4	306.5		
		11-30-66	46.0	342.0				12-27-66	57.5	306.5		
		12-30-66	44.6	343.4				2-02-67	51.6	312.4		
		2-02-67	44.1	343.9				2-23-67	52.1	311.9		
		2-24-67	42.5	345.5				3-28-67	51.7	312.3		
		3-31-67	43.4	344.6				4-25-67	50.5	313.5		
		4-27-67	39.3	348.7				5-25-67	49.3	314.7		
		5-29-67	34.7	353.3				6-27-67	45.0	319.0		
		6-29-67	25.7	362.3				7-26-67	42.5	321.5		
		7-31-67	21.0	367.0				8-28-67	36.4	327.6		
								9-27-67	33.3	330.7		

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
ALTA IRRIGATION DISTRICT					
17S/22E-25A01 M	276.0	10-27-66	47.3	227.7	5637
		11-28-66	44.2	231.8	
		12-28-66	43.8	232.2	
		2-02-67	42.2	233.8	
		2-27-67	41.2	234.8	
		3-29-67	40.7	235.3	
		4-27-67	39.7	236.3	
		5-26-67	39.8	236.2	
		6-28-67	42.6	233.4	
		7-27-67	□		
		8-29-67	□		
		9-27-67	45.2	230.8	
17S/22E-25J01 M	275.0	10-27-66	46.7	228.3	5637
		11-28-66	45.4	229.6	
		12-28-66	45.0	230.0	
		2-02-67	44.2	230.8	
		2-27-67	41.9	233.1	
		3-29-67	41.8	233.2	
		4-26-67	40.8	234.2	
		5-26-67	40.5	234.5	
		6-28-67	43.2	231.8	
		7-27-67	□		
		8-29-67	□		
		9-27-67	43.1	231.9	
17S/24E-15A03 M	302.0	10-27-66	47.6	254.4	5001
		11-22-66	43.2	258.8	
		12-21-66	39.1	262.9	
		1-25-67	36.2	265.8	
		3-01-67	33.2	268.8	
		3-29-67	31.9	270.1	
		4-27-67	29.2	272.8	
		5-24-67	27.1	274.9	
		6-28-67	25.2	276.8	
		7-26-67	25.6	276.4	
		8-23-67	□		
		9-21-67	30.2	271.8	
17S/25E-10C01 M	335.0	2-28-67	49.7	285.3	5637
17S/25E-18R01 M	321.0	2-28-67	72.8	248.2	5637
LOWER KINGS RIVER AREA					
17S/19E-14J01 M	217.0	2-23-67	□		5050
17S/20E-20D01 M	223.0	10-10-66	80.7	142.3	5050
		11-04-66	85.0	138.0	
		11-28-66	75.5	147.5	
		1-06-67	70.5	152.5	
		2-06-67	69.5	153.5	
		2-21-67	70.0	153.0	
		4-11-67	68.5	154.5	
		4-28-67	67.5	155.5	
		6-02-67	69.5	153.5	
		7-05-67	72.5	150.5	
		7-31-67	72.3	150.7	
		9-05-67	68.5	154.5	
17S/21E-11K01 M	257.0	10-10-66	45.5	211.5	5050
		11-04-66	43.3	213.7	
		11-28-66	45.1	211.9	
		1-06-67	43.0	214.0	
		2-06-67	42.0	215.0	
		2-21-67	43.8	213.2	
		4-11-67	40.0	217.0	
		4-28-67	39.3	217.7	
		6-02-67	40.0	217.0	
		7-05-67	46.0	211.0	
		7-31-67	□		
		9-05-67	□		
18S/19E-26E01 M	210.0	3-02-67	□		5050
18S/20E-16A01 M	230.0	3-01-67	□		5050
18S/21E-10R01 M	254.0	10-10-66	78.5	175.5	5050
		11-04-66	69.0	185.0	
		11-28-66	68.5	185.5	
		1-06-67	63.4	190.6	
		2-06-67	59.8	194.2	
		2-21-67	60.2	193.8	
		4-11-67	61.7	192.3	
		4-28-67	59.0	195.0	
		6-02-67	61.0	193.0	
		7-05-67	76.8	177.2	
		7-31-67	72.4	181.6	
		9-05-67	73.2	180.8	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
- LOWER KINGS RIVER AREA					
19S/19E-25A01 M	208.0	2-28-67	2.5	205.5	5050
20S/22E-19W02 M	211.0	10-10-66	34.5	176.5	5050
		11-04-66	34.3	176.7	
		11-28-66	32.0	179.0	
		1-06-67	31.3	179.7	
		2-06-67	31.0	180.0	
		2-27-67	33.3	177.7	
		4-11-67	29.0	182.0	
		4-28-67	28.5	182.5	
		6-02-67	28.0	183.0	
		7-05-67	28.0	183.0	
		7-31-67	26.7	184.3	
		9-05-67	25.8	185.2	
- ORANGE COVE IRRIGATION DISTRICT					
14S/24E-29C02 M	430.5	10-04-66	50.2	380.3	5001
		11-01-66	48.0	382.5	
		12-01-66	48.0	382.5	
		1-03-67	49.1	381.4	
		2-01-67	43.5	387.0	
		3-02-67	40.2	390.3	
		4-03-67	39.5	391.0	
		5-01-67	39.3	391.2	
		7-05-67	□		
		8-01-67	□		
		9-01-67	41.1	389.4	
14S/25E-30D01 M	510.0	2-09-67	33.2	476.8	5001
15S/24E-14D01 M	405.0	10-04-66	17.8	387.2	5001
		11-01-66	18.1	386.9	
		12-01-66	19.8	385.2	
		2-01-67	16.2	388.8	
		3-02-67	14.3	390.7	
		4-03-67	12.8	392.2	
		5-01-67	9.4	395.6	
		7-05-67	10.2	394.8	
		8-01-67	14.2	390.8	
		9-01-67	10.0	395.0	
16S/25E-04C02 M	415.0	10-04-66	15.4	399.6	5001
		11-03-66	15.9	399.1	
- ORANGE COVE IRRIGATION DISTRICT					
16S/25E-04C02 M	415.0	12-01-66	13.5	401.5	5001
		1-04-67	14.8	400.2	
		2-01-67	14.4	400.6	
		3-02-67	13.5	401.5	
		4-03-67	13.9	401.1	
		4-27-67	12.0	403.0	
		7-06-67	13.5	401.5	
		8-03-67	10.5	404.5	
		9-06-67	10.9	404.1	
- STONE CORRAL IRRIGATION DISTRICT					
16S/26E-32R01 M	405.0	10-27-66	2.5	402.5	5001
		11-22-66	2.5	402.5	
		12-21-66	0.8	404.2	
		1-25-67	0.5	404.5	
		3-01-67	0.1	404.9	
		3-29-67	1.4	403.6	
		4-27-67	0.4	404.6	
		5-24-67	1.6	403.4	
		6-28-67	2.1	402.9	
		7-26-67	2.3	402.7	
		8-23-67	2.4	402.6	
		9-21-67	2.5	402.5	
17S/26E-07R01 M	364.0	10-27-66	8.6	355.4	5001
		11-22-66	9.4	354.6	
		12-21-66	7.0	357.0	
		1-25-67	6.7	357.3	
		3-01-67	7.1	356.9	
		3-29-67	7.3	356.7	
		4-27-67	5.7	358.3	
		5-24-67	6.0	358.0	
		6-28-67	6.6	357.4	
		7-26-67	5.0	359.0	
		8-23-67	4.6	359.4	
		9-20-67	4.2	359.8	
- IVANHOE IRRIGATION DISTRICT					
17S/25E-27R01 M	350.0	2-02-67	89.2	260.8	5001
17S/25E-35W01 M	349.0	10-01-66	86.6	262.4	5001
		11-04-66	85.7	263.3	
		12-09-66	84.7	264.3	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
IVANHOE IRRIGATION DISTRICT					
5-22.23					
17S/25E-35W01 M	349.0	1-04-67	84.2	264.8	5001
CONT.		2-02-67	83.5	265.5	
		3-02-67	82.4	266.6	
		4-05-67	81.5	267.5	
		5-01-67	80.3	268.7	
		6-06-67	79.5	269.5	
		7-06-67	□		
		8-04-67	□		
		9-05-67	□		
17S/25E-36W01 M	365.0	10-01-66	85.5	279.5	5001
		11-04-66	82.0	283.0	
		12-09-66	79.1	285.9	
		1-04-67	78.0	287.0	
		2-02-67	77.0	288.0	
		3-02-67	75.1	289.9	
		4-05-67	73.3	291.7	
		5-01-67	71.0	294.0	
		6-06-67	70.8	294.2	
		7-06-67	72.0	293.0	
		8-04-67	72.5	292.5	
		9-05-67	72.5	292.5	
17S/26E-21W01 M	394.0	10-01-66	21.2	372.8	5001
		10-27-66	20.0	374.0	
		12-01-66	□		
		12-09-66	18.2	375.8	
		1-04-67	18.1	375.9	
		2-02-67	19.1	374.9	
		3-02-67	18.8	375.2	
		4-05-67	17.8	376.2	
		5-01-67	15.9	378.1	
		6-06-67	17.4	376.6	
		7-06-67	15.1	378.9	
		8-04-67	15.1	378.9	
		9-05-67	15.5	378.5	
17S/26E-32W01 M	385.0	10-01-66	□		5001
		11-04-66	□		
		12-09-66	66.1	318.9	
		1-04-67	68.0	317.0	
		2-02-67	67.0	318.0	
		3-02-67	66.0	319.0	
		4-05-67	□		
		5-01-67	64.3	320.7	
IVANHOE IRRIGATION DISTRICT					
5-22.23					
17S/26E-32W01 M	385.0	6-06-67	64.0	321.0	5001
CONT.		7-06-67	64.0	321.0	
		8-04-67	□		
		9-05-67	□		
17S/26E-34W01 M	416.0	10-01-66	69.5	346.5	5001
		11-04-66	66.0	350.0	
		12-09-66	62.8	353.2	
		1-04-67	61.0	355.0	
		2-02-67	59.2	356.8	
		3-02-67	57.7	358.3	
		4-05-67	56.6	359.4	
		5-01-67	55.1	360.9	
		6-06-67	54.5	361.5	
		7-06-67	56.0	360.0	
		8-04-67	56.0	360.0	
		9-05-67	55.8	360.2	
KAWEAH DELTA WATER CONSERV DIST					
5-22.24					
17S/24E-34W01 M	297.5	11-03-66	39.7	257.8	5001
		12-01-66	□		
		1-04-67	34.9	262.6	
		2-01-67	30.1	267.4	
		3-03-67	26.6	270.9	
		4-03-67	24.4	273.1	
		5-01-67	20.8	276.7	
		6-02-67	17.4	280.1	
		7-07-67	14.5	283.0	
		7-28-67	9.9	287.6	
		9-06-67	11.8	285.7	
17S/25E-15W01 M	340.0	10-27-66	110.6	229.4	5001
		11-22-66	98.6	241.4	
		12-21-66	95.1	244.9	
		1-25-67	93.1	246.9	
		3-01-67	92.1	247.9	
		3-29-67	89.4	250.6	
		5-01-67	91.6	248.4	
		5-24-67	□		
		6-28-67	97.7	242.3	
		7-26-67	108.0	232.0	
		8-23-67	□		
		9-20-67	109.1	230.9	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KAWEAH DELTA WATER CONSERV DIST 5-22-24					
17S/26E-17P02 M	385.0	2-06-67	14.9	370.1	5001
17S/27E-34P01 M	473.0	2-03-67	5.4	467.6	5001
18S/22E-29A01 M	251.0	2-03-67	87.3	163.7	5001
18S/22E-36P01 M	245.0	10-02-66	108.9	136.1	5129
		10-29-66	109.8	135.2	
		11-27-66	101.6	143.4	
		12-26-66	98.9	146.1	
		2-03-67	93.5	151.5	
		2-28-67	91.3	153.7	
		4-02-67	89.9	155.1	
		4-30-67	87.9	157.1	
		6-04-67	90.1	154.9	
		7-01-67	93.5	151.5	
		7-29-67	94.9	150.1	
		9-03-67	101.5	143.5	
18S/23E-12H01 M	282.5	11-02-66	67.7	214.8	5001
		12-01-66	□		
		1-04-67	60.3	222.2	
		2-01-67	58.1	224.4	
		3-03-67	56.3	226.2	
		4-03-67	55.5	227.0	
		5-01-67	56.2	226.3	
		6-02-67	54.6	227.9	
		7-07-67	56.6	226.9	
		7-28-67	59.4	223.1	
		9-06-67	62.2	220.3	
18S/23E-34A01 M	271.0	2-12-67	100.8	170.2	5129
18S/24E-26A01 M	312.5	2-06-67	68.7	243.8	5001
18S/25E-12Q01 M	363.0	2-10-67	49.2	313.8	5001
18S/25E-33F01 M	338.0	2-10-67	49.8	288.2	5001
18S/26E-27E01 M	390.0	2-10-67	19.5	370.5	5001
18S/26E-30N01 M	367.0	11-02-66	30.6	336.4	5001
		12-00-66	□		
		1-04-67	27.2	339.8	
KAWEAH DELTA WATER CONSERV DIST 5-22-24					
18S/26E-30N01 M	367.0	2-01-67	24.8	342.2	5001
		3-03-67	22.4	344.6	
		4-03-67	21.5	345.5	
		5-01-67	19.6	347.4	
		6-02-67	22.5	344.5	
		7-07-67	20.5	346.5	
		7-28-67	21.4	345.6	
		9-06-67	18.6	348.4	
19S/22E-01N02 M	245.0	2-07-67	82.5	162.5	
19S/22E-19A01 M	235.0	10-02-66	107.9	127.1	5129
		10-29-66	105.3	129.7	
		11-27-66	105.3	129.7	
		12-26-66	102.3	132.7	
		2-03-67	99.7	135.3	
		2-28-67	99.4	135.6	
		4-02-67	100.4	134.6	
		4-30-67	96.3	138.7	
		6-04-67	98.4	136.6	
		7-01-67	105.7	129.3	
		7-29-67	107.6	127.4	
		9-03-67	101.9	133.1	
		9-28-67	95.8	139.2	
19S/22E-36E01 M	234.0	10-25-66	114.5	119.5	5001
		11-21-66	114.2	119.8	
		12-19-66	114.0	120.0	
		1-25-67	113.4	120.6	
		2-27-67	112.9	121.1	
		3-29-67	112.1	121.9	
		4-25-67	109.0	125.0	
		5-22-67	116.8	117.2	
		6-26-67	110.3	123.7	
		7-24-67	111.7	122.3	
		8-23-67	110.0	124.0	
		9-20-67	109.3	124.7	
19S/25E-07K01 M	320.0	11-02-66	62.5	257.5	5001
		12-00-66	□		
		1-04-67	61.6	258.4	
		2-01-67	56.8	263.2	
		3-03-67	53.9	266.1	
		4-03-67	52.4	267.6	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KAWEAH DELTA WATER CONSERV DIST											
5-22.24											
19S/25E-07K01 M	320.0	5-01-67	49.7	270.3	5001	19S/23E-14R01 M	270.0	6-28-67	80.3	189.7	5001
		6-02-67	43.1	276.9		CONT.		7-31-67	87.8	182.2	
		7-07-67	35.1	284.9				8-31-67	78.5	191.5	
		7-28-67	33.4	286.6				9-29-67	76.3	193.7	
		9-06-67	27.5	292.5							
19S/26E-34R02 M	341.0	10-27-66	121.1	219.9	5001	19S/23E-32H01 M	250.5	2-13-67	100.5	150.0	5001
		11-22-66	112.1	228.9		CONT.		10-31-66	95.1	194.9	
		12-21-66	104.0	237.0				11-30-66	90.5	199.5	
		1-25-67	99.0	242.0				1-04-67	88.0	202.0	
		3-01-67	82.7	258.3				2-01-67	91.0	199.0	
		3-29-67	□					3-01-67	88.9	201.1	
		4-26-67	86.3	254.7				3-31-67	□		
		5-24-67	99.8	241.2				4-28-67	82.8	207.2	
		6-28-67	□					5-31-67	86.7	203.3	
		7-26-67	□					6-28-67	95.0	195.0	
		8-23-67	□					7-31-67	92.0	198.0	
		9-20-67	98.1	242.9				8-31-67	91.4	198.6	
20S/22E-10C01 M	226.0	2-07-67	130.0	96.0	5001	19S/24E-16F01 M	290.0	9-29-67	80.4	209.6	5001
20S/25E-14F01 M	304.5	10-26-66	92.6	211.9	5001	CONT.		10-31-66	99.7	190.3	
		11-22-66	86.7	217.8				11-30-66	93.4	196.6	
		12-20-66	82.3	222.2				1-04-67	91.0	199.0	
		1-25-67	76.9	227.6				2-01-67	83.6	206.4	
		2-28-67	76.7	227.8				3-01-67	93.4	196.6	
		3-28-67	83.7	220.8				3-31-67	91.3	198.7	
		4-26-67	71.7	232.8				4-28-67	86.5	203.5	
		5-23-67	74.5	230.0				5-31-67	89.5	200.5	
		6-27-67	81.3	223.2				6-28-67	94.6	195.4	
		7-25-67	79.3	225.2				7-31-67	96.5	193.5	
		8-22-67	84.4	220.1				8-31-67	94.9	195.1	
		9-19-67	83.4	221.1				9-29-67	86.2	203.8	
TULARE IRRIGATION DISTRICT											
5-22.25											
19S/23E-14R01 M	270.0	10-31-66	96.2	173.8	5001	19S/25E-17J01 M	327.0	10-31-66	□	259.0	5001
		12-01-66	90.2	179.8		CONT.		11-30-66	68.0	261.9	
		1-04-67	88.7	181.3				1-04-67	65.1	261.9	
		2-01-67	87.5	182.5				2-01-67	63.1	263.9	
		3-01-67	86.0	184.0				3-01-67	63.5	263.5	
		3-31-67	85.6	184.4				3-31-67	□		
		4-28-67	83.9	186.1				4-28-67	58.2	268.8	
		5-31-67	93.0	177.0				6-02-67	64.0	263.0	
								6-28-67	59.0	268.5	
								7-31-67	61.0	266.0	
								8-31-67	57.0	270.0	
								9-29-67	49.0	278.0	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TULARE IRRIGATION DISTRICT											
5-22.25											
20S/23E-08B02 M	241.0	10-31-66	113.5	127.5	5001	21S/23E-05R01 M	222.0	4-28-67	101.8	120.2	5001
		11-30-66	111.1	129.9		CONT.		5-31-67	99.6	122.4	
		1-04-67	109.6	131.4				6-28-67	98.3	123.7	
		2-01-67	108.6	132.4				7-31-67	97.1	124.9	
		3-01-67	107.6	133.4				8-31-67	101.1	120.9	
		3-31-67	110.5	130.5				9-29-67	92.0	130.0	
		4-28-67	106.8	134.2							
		5-31-67	106.5	134.5							
		6-28-67	113.5	127.5							
		7-31-67	109.8	131.2							
		8-31-67	107.8	133.2							
		9-29-67	102.2	137.8							
20S/24E-16H01 M	273.0	10-31-66	109.0	164.0	5001	18S/26E-25K01 M	436.0	10-27-66	66.9	369.1	5001
		11-30-66	100.2	172.8				11-22-66	65.8	370.2	
		1-04-67	93.7	179.3				12-21-66	60.1	375.9	
		2-01-67	95.1	177.9				1-25-67	59.0	377.0	
		3-01-67	98.7	174.3				3-01-67	54.7	381.3	
		3-31-67	98.6	174.4				3-29-67	53.4	382.6	
		4-28-67	91.9	181.1				4-27-67	53.9	382.1	
		5-31-67	97.9	175.1				5-24-67	53.5	382.5	
		6-28-67	103.3	169.7				6-28-67	53.8	382.2	
		7-31-67	108.1	164.9				7-26-67	54.8	381.2	
		8-31-67	108.1	164.9				8-23-67	55.3	380.7	
		9-29-67	96.5	176.5				9-20-67	53.4	382.6	
20S/24E-30J02 M	250.0	10-31-66	105.4	144.6	5001	18S/27E-29D01 M	447.0	10-27-66	□	405.7	5001
		11-30-66	104.0	146.0				11-22-66	41.3	413.4	
		1-04-67	103.0	147.0				12-21-66	33.6	414.0	
		2-01-67	102.5	147.5				1-25-67	33.0	413.8	
		3-01-67	□	147.5				3-01-67	33.2	417.0	
		3-31-67	102.4	147.6				3-29-67	30.0	417.9	
		4-28-67	100.9	149.1				4-27-67	29.1	417.9	
		5-31-67	105.3	144.7				5-24-67	□	416.6	
		6-28-67	□	144.7				6-28-67	30.4	416.6	
		7-31-67	□	147.6				7-26-67	□	412.9	
		8-31-67	□	149.1				8-23-67	34.1	412.9	
		9-29-67	□	144.7				9-20-67	□	412.9	
21S/23E-05R01 M	222.0	10-31-66	109.7	112.3	5001	19S/26E-14E01 M	375.0	10-27-66	96.5	278.5	5001
		12-01-66	108.1	113.9				11-22-66	90.8	284.2	
		1-04-67	100.1	121.9				12-21-66	88.7	286.3	
		2-01-67	108.5	113.5				1-25-67	87.2	287.8	
		3-01-67	104.7	117.3				3-01-67	86.0	289.0	
		3-31-67	103.4	118.6				3-29-67	89.4	286.6	
								4-26-67	83.7	291.3	
								5-24-67	83.5	291.3	
								6-28-67	□	291.3	
								7-26-67	□	291.3	

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EXETER IRRIGATION DISTRICT											
19S/26E-14E01 M	375.0	8-23-67	97.9	277.1	5001	20S/26E-24K01 M	362.5	10-26-66	76.5	286.0	5001
CONT.		9-20-67	92.8	282.2				11-22-66	74.9	287.6	
19S/26E-23E01 M	359.0	2-08-67	95.4	263.6	5001			12-20-66	73.2	289.3	
LINDSAY-STRAITHMORE IRRIGATION DIST											
19S/27E-29D01 M	385.0	2-02-67	68.1	316.9	5001			1-24-67	72.2	290.3	
20S/27E-06B01 M	372.0	10-26-66	62.5	309.5				2-28-67	71.4	291.1	
		11-27-66	61.3	310.7				3-28-67	70.5	292.0	
		12-21-66	58.5	313.5				4-26-67	69.7	292.8	
		1-25-67	57.0	315.0				5-23-67	70.0	292.5	
		2-28-67	65.0	307.0				6-27-67	72.4	291.1	
		3-29-67	68.3	303.7				7-25-67	71.8	290.7	
		4-26-67	62.9	309.1				8-22-67	70.6	291.9	
		5-24-67	58.6	313.4				9-19-67	70.5	292.0	
		6-28-67	58.5	313.5							
		7-26-67	55.4	316.0							
		8-23-67	54.6	317.4							
		9-19-67	54.2	317.8							
20S/27E-21F01 M	414.0	2-02-67	36.4	377.6	5001	21S/26E-01Q01 M	372.0	10-00-66	#		5001
20S/27E-29J01 M	406.0	2-02-67	37.5	368.5	5001						
LINDMORE IRRIGATION DISTRICT											
20S/26E-01P01 M	360.0	10-26-66	□	254.7	5001	20S/26E-32A01 M	331.5	10-26-66	117.0	214.5	5001
		11-22-66	105.3	257.1				11-22-66	111.0	220.5	
		12-21-66	102.9	268.3				12-20-66	107.0	224.5	
		1-25-67	91.7	275.3				1-24-67	106.0	225.5	
		2-28-67	84.7	277.4				2-28-67	103.0	228.5	
		3-29-67	82.6	281.0				3-28-67	106.9	224.6	
		4-26-67	79.0					4-26-67	102.5	229.0	
		5-24-67	□					5-23-67	103.0	228.5	
		6-28-67	83.7	276.3				6-27-67	105.9	225.6	
		7-26-67	85.3	274.7				7-25-67	117.6	213.9	
		8-23-67	86.2	273.8				8-22-67	□		
		9-19-67	85.8	274.2				9-19-67	112.6	218.9	
20S/26E-22C02 M	341.0	2-07-67	113.0	228.0	5001	20S/27E-29E01 M	392.0	10-26-66	51.3	340.7	5001
								11-22-66	49.0	343.0	
								12-20-66	46.2	345.8	
								1-24-67	44.9	347.1	
								2-28-67	44.0	348.0	
								3-28-67	43.4	348.6	
								4-26-67	42.9	349.1	
								5-23-67	43.8	348.2	
								6-27-67	42.8	349.2	
								7-25-67	42.0	350.0	
								8-22-67	44.0	348.0	
								9-19-67	39.8	352.2	
20S/26E-22C02 M	341.0	2-07-67	113.0	228.0	5001	21S/27E-02E01 M	429.0	10-26-66	35.6	393.4	5001
								11-22-66	34.6	394.4	
								12-20-66	29.6	399.4	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA						
LINDMORE IRRIGATION DISTRICT																	
21S/27E-02E01 M	429.0	1-24-67	28.1	400.9	5001	PORTERVILLE IRRIGATION DISTRICT											
CONT.		2-28-67	27.0	402.0													
		3-28-67	28.0	401.0													
		4-26-67	26.2	402.8													
		5-23-67	□														
		6-27-67	□														
		7-25-67	□														
		8-27-67	□														
		9-19-67	□														
PORTERVILLE IRRIGATION DISTRICT																	
21S/27E-21C01 M	409.0	10-26-66	30.5	378.5	5001							22S/26E-01J01 M	395.0	5-22-67	112.2	282.8	5001
		11-22-66	29.9	379.1								CONT.		6-28-67	92.4	302.6	
		12-20-66	29.1	379.9				7-28-67	106.5	288.5							
		1-24-67	28.1	380.9				8-22-67	86.0	309.0							
		2-28-67	26.6	382.4				9-23-67	82.7	312.3							
		3-28-67	26.0	383.0				2-22-67	109.5	357.5	5001						
		4-26-67	26.3	382.7		LOWER TULE RIVER IRRIGATION DIST											
		5-23-67	23.6	385.4		21S/23E-22J01 M	221.5	2-09-67	99.4	122.1	5001						
		6-27-67	23.3	385.7		21S/24E-15H01 M	253.0	2-05-67	54.9	198.1	5001						
		7-25-67	□			21S/24E-31D01 M	230.0	10-01-66	85.0	145.0	5001						
		8-23-67	23.5	385.5				11-01-66	85.2	144.8							
		9-19-67	22.6	386.4				12-01-66	90.6	139.4							
PORTERVILLE IRRIGATION DISTRICT																	
21S/27E-28E01 M	420.0	10-24-66	25.8	394.2	5001			12-31-66	89.8	140.2							
		11-25-66	26.3	393.7				2-02-67	85.6	144.4							
		12-23-66	24.0	396.0				2-28-67	85.5	144.5							
		1-24-67	22.2	397.8				4-01-67	82.2	147.8							
		2-22-67	20.6	399.4				5-02-67	81.2	148.8							
		3-23-67	19.5	400.5				6-01-67	80.5	149.5							
		4-24-67	18.5	401.5				6-30-67	79.3	150.7							
		5-23-67	17.4	402.9				8-01-67	78.4	151.6							
		6-28-67	17.5	402.5				8-31-67	77.6	152.4							
		7-28-67	16.9	403.1				9-28-67	76.6	153.4							
		8-23-67	14.8	405.2													
		9-23-67	86.2	308.8		21S/24E-35M01 M	251.0	10-01-66	92.9	158.1	5001						
PORTERVILLE IRRIGATION DISTRICT																	
22S/26E-01J01 M	395.0	10-24-66	86.2	308.8	5001			11-01-66	92.6	158.4							
		11-25-66	83.5	311.5				12-01-66	92.2	158.8							
		12-23-66	81.6	313.4				12-31-66	92.0	159.0							
		1-24-67	80.6	314.4				2-02-67	89.0	162.0							
		2-22-67	79.4	315.6				2-28-67	88.9	162.1							
		3-23-67	104.9	290.1				4-01-67	88.5	162.5							
		4-24-67	69.9	325.1				5-02-67	88.0	163.0							
								6-01-67	87.3	163.7							
								6-30-67	88.8	162.2							
								8-01-67	85.2	165.8							
								8-31-67	83.1	167.9							
								9-28-67	85.4	165.6							
								2-06-67	72.0	213.0	5001						

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LOWER TULE RIVER IRRIGATION DIST					
21S/25E-16A01 M	291.0	10-01-66	53.6	237.4	5001
		11-02-66	52.2	238.8	
		12-01-66	52.6	238.4	
		12-31-66	36.9	254.1	
		2-02-67	41.9	249.1	
		2-28-67	42.2	248.8	
		4-01-67	43.2	247.8	
		5-02-67	25.1	265.9	
		6-01-67	19.1	271.9	
		6-30-67	19.0	272.0	
		8-01-67	15.9	275.1	
		8-31-67	14.6	276.4	
		9-28-67	14.6	276.4	
21S/26E-06G02 M	322.0	10-01-66	98.3	223.7	5001
		11-01-66	97.5	224.5	
		12-01-66	83.4	238.6	
		12-31-66	80.8	241.2	
		2-02-67	75.5	246.5	
		2-28-67	73.9	248.1	
		4-01-67	95.5	236.5	
		5-04-67	71.8	250.2	
		6-01-67	75.9	246.1	
		6-30-67	98.8	223.2	
		8-01-67	92.0	230.0	
		8-31-67	101.8	220.2	
		9-28-67	79.8	242.2	
21S/26E-10E01 M	350.0	10-01-66	65.8	284.2	5001
		11-01-66	65.0	285.0	
		12-01-66	60.2	289.8	
		12-31-66	60.3	289.7	
		2-02-67	58.9	291.1	
		2-28-67	58.4	291.6	
		4-01-67	58.6	291.4	
		5-04-67	52.6	297.4	
		6-01-67	51.0	299.0	
		6-30-67	52.1	297.9	
		8-01-67	53.3	296.7	
		8-31-67	55.6	294.4	
		9-28-67	50.4	299.6	
22S/24E-09A01 M	245.0	10-01-66	121.2	123.8	5001
		11-01-66	122.7	122.3	
		12-01-66	119.3	125.7	
LOWER TULE RIVER IRRIGATION DIST					
22S/24E-09A01 M	245.0	12-31-66	118.6	126.4	5001
CONT.		2-02-67	118.1	126.9	
		2-28-67	118.0	127.0	
		4-01-67	117.2	127.8	
		5-04-67	116.5	127.5	
		6-01-67	116.5	128.5	
		6-30-67	117.0	128.5	
		8-01-67	117.2	128.0	
		8-31-67	117.2	127.8	
		9-28-67	116.6	128.4	
22S/24E-15A01 M	251.5	2-05-67	138.7	112.8	5001
22S/25E-10E01 M	296.0	10-01-66	105.3	190.7	5001
		11-02-66	105.9	190.1	
		12-01-66	104.8	191.2	
		12-31-66	104.6	191.4	
		2-02-67	104.3	191.7	
		2-28-67	102.3	193.7	
		4-01-67	105.5	190.5	
		5-02-67	103.1	192.9	
		6-01-67	102.3	193.7	
		6-30-67	104.0	192.0	
		8-01-67	104.4	191.6	
		8-31-67	102.8	193.2	
		9-28-67	100.1	195.9	
22S/25E-15A01 M	300.5	2-07-67	140.9	159.6	5001
22S/26E-06A01 M	337.0	2-01-67	114.5	222.5	5001
VANDALIA IRRIGATION DISTRICT					
22S/28E-07Q01 M	524.0	10-26-66	140.5	383.5	5001
		11-22-66	132.6	391.4	
		12-20-66	131.7	392.3	
		1-24-67	127.5	396.5	
		2-28-67	124.8	399.2	
		3-28-67	123.1	400.9	
		4-26-67	125.9	398.1	
		5-23-67	121.0	403.0	
		6-27-67	□		
		7-25-67	□		
		8-22-67	□		
		9-19-67	133.0	391.0	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
- VANDALIA IRRIGATION DISTRICT					
22S/28E-16A01 M	535.0	10-26-66	138.1	396.9	5001
		11-22-66	122.5	412.5	
		12-20-66	117.5	417.5	
		1-24-67	115.5	419.5	
		2-28-67	109.8	425.2	
		3-28-67	110.0	425.0	
		4-26-67	107.1	427.9	
		5-23-67	105.7	429.3	
		6-27-67	121.8	413.2	
		7-25-67	135.0	400.0	
		8-22-67	133.0	402.0	
		9-19-67	128.9	406.1	
			5-22.31		
- SAUCELLITO IRRIGATION DISTRICT					
22S/26E-12R02 M	396.0	2-22-67	#		5001
22S/26E-15J01 M	371.0	10-26-66	□	237.5	5001
		11-22-66	132.3	238.7	
		12-20-66	131.5	239.5	
		1-24-67	131.0	240.0	
		2-28-67	143.7	227.3	
		3-28-67	142.5	228.5	
		4-26-67	135.5	236.5	
		5-23-67	138.4	235.5	
		6-27-67	137.8	232.6	
		7-25-67	137.8	233.2	
		8-22-67	135.8	235.2	
		9-19-67	206.6	132.4	
22S/26E-32E01 M	339.0	10-25-66	203.5	135.5	5001
		11-22-66	202.0	137.0	
		12-20-66	196.2	142.8	
		1-24-67	195.7	143.3	
		2-28-67	194.4	144.6	
		3-28-67	191.2	147.8	
		4-25-67	203.0	136.0	
		5-23-67	203.6	135.4	
		6-27-67	157.0	240.0	
		7-25-67			
		8-22-67			
		9-19-67			
23S/26E-02R01 M	397.0	1-30-67			5001
- SAUCELLITO IRRIGATION DISTRICT					
23S/26E-03R01 M	381.0	10-26-66	182.1	198.9	5001
		11-22-66	□		
		12-20-66	178.9	202.1	
		1-23-67	173.4	207.6	
		2-28-67	173.6	207.4	
		3-28-67	178.8	202.2	
		4-26-67	174.4	206.6	
		5-23-67	□		
		6-27-67	184.0	197.0	
		7-25-67	□		
		8-22-67	□		
		9-19-67	193.9	187.1	
			5-22.32		
- PIXLEY IRRIGATION DISTRICT					
22S/25E-25N01 M	310.0	10-25-66	210.0	100.0	5001
		11-22-66	217.0	93.0	
		12-20-66	195.2	114.8	
		1-23-67	197.7	112.3	
		2-28-67	196.3	113.7	
		3-28-67	190.0	120.0	
		4-25-67	184.3	125.7	
		5-23-67	197.0	113.0	
		6-27-67	198.0	112.0	
		7-25-67	209.4	100.6	
		8-22-67	211.0	99.0	
		9-19-67	206.0	104.0	
23S/23E-02B01 M	207.0	2-02-67	37.0	170.0	5001
23S/24E-16R01 M	222.0	10-25-66	138.8	83.2	5001
		11-21-66	137.1	84.9	
		12-19-66	131.3	90.7	
		1-23-67	127.3	94.7	
		2-27-67	125.3	96.7	
		3-27-67	126.7	95.3	
		4-25-67	125.7	96.3	
		5-22-67	124.3	97.7	
		6-26-67	126.1	95.9	
		7-24-67	131.0	91.0	
		8-21-67	132.8	89.2	
		9-18-67	133.8	88.2	
23S/25E-14C01 M	300.0	2-01-67	□		5001

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PIXLEY IRRIGATION DISTRICT					
5-22-33					
23S/25E-15J02 M	291.0	10-00-66	#		5001
23S/25E-16N04 M	263.0	10-27-66	94.6	168.4	5000
		11-22-66	93.5	169.5	
		12-22-66	92.4	170.6	
		1-19-67	91.7	171.3	
		2-15-67	91.2	171.8	
		3-15-67	91.8	171.2	
		4-12-67	91.4	171.6	
		5-00-67	□		
		6-07-67	90.4	172.6	
		7-08-67	91.4	171.6	
		8-02-67	91.8	171.2	
		8-31-67	90.4	172.6	
		9-27-67	87.4	175.6	
23S/26E-08R01 M	345.0	10-26-66	190.6	154.4	5001
		11-22-66	187.9	157.1	
		12-20-66	183.8	161.2	
		1-23-67	179.7	165.3	
		2-28-67	185.0	160.0	
		3-28-67	181.7	163.3	
		4-26-67	177.5	167.5	
		5-23-67	176.2	168.8	
		6-27-67	181.8	163.2	
		7-25-67	187.2	157.8	
		8-22-67	188.4	156.6	
		9-19-67	184.3	160.7	
ALPAUGH-ALLENSWORTH AREA					
5-22-34					
22S/23E-28L01 M	196.0	10-25-66	□	95.9	5001
		11-21-66	100.1	100.4	
		12-19-66	95.6	110.0	
		1-23-67	86.0	98.3	
		2-27-67	97.7	111.5	
		3-27-67	84.5		
		4-26-67	□		
		5-23-67	83.0	113.0	
		6-26-67	93.0	103.0	
		7-24-67	101.9	94.1	
		8-21-67	82.1	113.9	
		9-18-67	□		
ALPAUGH-ALLENSWORTH AREA					
5-22-34					
23S/23E-33A01 M	210.0	10-25-66	14.4	195.6	5001
		11-21-66	14.1	195.9	
		12-19-66	14.0	196.0	
		1-23-67	14.4	195.6	
		2-27-67	14.0	196.0	
		3-27-67	14.8	195.2	
		4-25-67	14.3	195.7	
		5-22-67	14.1	195.9	
		6-26-67	14.3	195.7	
		7-24-67	14.4	195.6	
		8-21-67	14.4	195.6	
		9-18-67	14.4	195.6	
23S/23E-33A04 M	210.0	10-00-66	#		5001
24S/23E-21B02 M	204.0	2-02-67	63.6	140.4	5001
24S/23E-34R01 M	206.0	2-02-67	191.0	15.0	5001
24S/24E-20R01 M	218.0	10-25-66	195.7	28.3	5001
		11-21-66	189.9	28.1	
		12-19-66	186.1	31.9	
		1-23-67	182.2	35.8	
		2-27-67	□		
		3-27-67	182.0	36.0	
		4-25-67	185.0	33.0	
		5-22-67	174.7	43.3	
		6-26-67	181.5	36.5	
		7-24-67	□		
		8-21-67	194.8	23.2	
		9-18-67	200.9	17.1	
24S/24E-23Q01 M	235.0	2-02-67	57.0	178.0	5001
DELANO-EARLEHART IRRIGATION DIST					
5-22-35					
23S/25E-27J02 M	296.0	2-08-67	93.0	203.0	5001
23S/26E-29P01 M	356.5	2-08-67	180.5	176.0	5001
23S/27E-28J01 M	533.3	2-03-67	□		5001

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
DELANO-EARLIMART IRRIGATION DIST 5-22.35					
24S/25E-02H01 M	321.0	10-25-66	101.2	218.8	5001
		11-21-66	102.0	219.0	
		12-19-66	100.8	220.2	
		1-23-67	100.6	220.4	
		2-27-67	101.5	219.5	
		3-28-67	102.0	219.0	
		4-25-67	97.4	223.6	
		5-22-67	100.5	220.5	
		6-27-67	100.8	220.2	
		7-24-67	100.8	220.2	
		8-21-67	100.8	220.2	
		9-18-67	99.7	220.3	
24S/25E-10A01 M	304.0	2-07-67	118.5	185.5	5001
24S/25E-33J01 M	291.5	2-02-67	74.0	217.5	5001
24S/26E-05R01 M	376.0	2-09-67	173.0	203.0	5001
24S/26E-20H01 M	378.0	2-07-67	153.0	225.0	5001
24S/26E-29R02 M	401.0	10-18-66	145.0	256.0	5000
		11-21-66	140.1	260.9	
		1-00-67	□		
		1-16-67	135.4	265.6	
		2-15-67	134.2	266.8	
		3-21-67	141.4	259.6	
		4-19-67	142.8	258.2	
		5-31-67	140.5	260.5	
		6-19-67	140.2	260.8	
		7-18-67	144.5	256.5	
		8-22-67	144.9	256.1	
		9-18-67	149.6	251.4	
24S/26E-32G01 M	396.0	2-09-67	125.0	271.0	5001
24S/26E-34F01 M	445.0	10-27-66	243.0	202.0	5000
		11-23-66	235.3	209.7	
		12-22-66	227.9	217.1	
		1-18-67	224.3	220.7	
		2-15-67	220.0	225.0	
		3-15-67	227.1	217.9	
		4-11-67	233.0	212.0	
		5-31-67	□		
DELANO-EARLIMART IRRIGATION DIST 5-22.35					
24S/26E-34F01 M	445.0	6-07-67	214.8	230.2	5000
		7-07-67	232.9	212.1	
		8-02-67	243.9	201.1	
		8-30-67	244.9	200.1	
		9-28-67	232.8	212.2	
24S/27E-31P01 M	526.5	1-30-67	□		5001
25S/26E-10B03 M	430.0	2-09-67	201.5	228.5	5001
25S/26E-16P01 M	388.0	10-18-66	92.4	295.6	5000
		11-21-66	89.1	298.9	
		1-00-67	□		
		1-16-67	96.0	292.0	
		2-15-67	96.4	291.6	
		3-21-67	103.4	284.6	
		4-19-67	101.9	286.1	
		5-31-67	99.5	288.5	
		6-19-67	□		
		7-18-67	96.5	291.5	
		8-22-67	92.7	295.3	
		9-18-67	81.5	306.5	
25S/27E-22H01 M	750.0	2-01-67	□		5001
SOUTHERN SAN JOAQUIN MUD 5-22.36					
25S/24E-12A02 M	253.0	10-18-66	92.0	161.0	5000
		11-21-66	86.2	166.8	
		1-16-67	77.4	175.6	
		2-15-67	73.1	179.9	
		3-21-67	91.3	161.7	
		4-19-67	81.2	171.8	
		5-31-67	88.7	164.3	
		6-19-67	□		
		7-18-67	100.2	152.8	
		8-22-67	108.5	144.5	
		9-18-67	□		
25S/25E-06H01 M	259.0	1-00-67	□		5001
25S/25E-35P01 M	322.0	2-01-67	163.6	158.4	5001

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTHERN SAN JOAQUIN MUD						NORTH KERN WATER STORAGE DIST					
			5-22.36						5-22.37		
25S/26E-28E01 M	394.0	10-18-66	149.0	245.0	5000	26S/25E-15P01 M	346.7	10-18-66	□	127.7	5000
		11-21-66	147.5	246.5				11-21-66	219.0		
		1-00-67	□					1-00-67	□	104.7	
		1-16-67	144.9	249.1				1-16-67	242.0		
		2-15-67	147.6	246.4				2-15-67	□	129.7	
		3-21-67	151.1	242.9				3-21-67	217.0	142.7	
		4-19-67	150.2	243.8				4-19-67	204.0	134.7	
		5-31-67	148.1	245.9				5-31-67	212.0	140.7	
		6-19-67	151.2	242.8				6-19-67	206.0	102.7	
		7-18-67	149.6	244.4				7-18-67	244.0	101.7	
		8-22-67	148.9	245.1				8-22-67	245.0	115.7	
		9-18-67	147.4	246.6				9-18-67	231.0		
25S/26E-28H02 M	414.0	2-02-67	164.0	250.0	5001	26S/25E-15R01 M	352.3	2-20-67	185.6	166.7	5700
26S/26E-10R01 M	503.0	10-18-66	395.5	107.5	5000	26S/25E-31R01 M	336.6	2-00-67	#		5700
		11-21-66	□					2-21-67	245.0	147.0	5700
		1-00-67	□					10-18-66	144.9	249.1	5000
		1-16-67	399.0	104.0				11-21-66	147.8	246.2	
		2-15-67	392.0	111.0				1-00-67	□		
		3-21-67	400.0	103.0				1-16-67	149.8	244.2	
		4-19-67	□					2-15-67	146.6	247.4	
		5-31-67	□					3-21-67	144.9	249.1	
		6-19-67	□					4-19-67	140.7	253.3	
		7-18-67	□					5-31-67	126.0	268.0	
		8-22-67	□					6-19-67	124.0	270.0	
		9-18-67	□					7-18-67	119.0	275.0	
26S/26E-16P01 M	443.0	2-02-67	294.4	148.6	5001	27S/26E-01N01 M	394.0	8-22-67	113.0	281.0	
26S/26E-29C01 M	411.0	10-18-66	276.5	134.5	5000			9-18-67	124.0	270.0	
		11-22-66	269.8	141.2				2-02-67	□		5001
		1-00-67	□					10-18-66	□	128.0	5000
		1-16-67	303.4	107.6				11-21-66	317.5		
		2-15-67	277.6	133.4				1-00-67	□	153.4	
		3-21-67	□					1-16-67	292.1		
		4-19-67	262.3	148.7				2-15-67	□	123.0	
		5-31-67	□					3-21-67	322.5	131.0	
		6-19-67	□					4-19-67	314.5	136.0	
		7-18-67	279.5	131.5				5-31-67	309.5		
		8-22-67	271.7	139.3							
		9-18-67	267.5	143.5							

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH KERN WATER STORAGE DIST					
27S/26E-20D01 M	445.5	6-19-67	315.5	130.0	5000
		7-18-67	□		
		8-22-67	□		
		9-18-67	□		
27S/26E-20E01 M	435.7	2-24-67	298.6	137.1	5700
27S/27E-30H02 M	527.0	2-02-67	455.0	72.0	5001
28S/25E-13L01 M	361.1	2-27-67	212.1	149.0	5700
28S/26E-21H01 M	388.0	10-18-66	184.5	203.5	5000
		11-21-66	185.0	203.0	
		1-00-67	□		
		1-17-67	186.7	201.3	
		2-15-67	183.5	204.5	
		3-21-67	182.5	205.5	
		4-19-67	178.7	209.3	
		5-31-67	162.5	225.5	
		6-19-67	172.5	215.5	
		7-18-67	203.5	184.5	
		8-22-67	198.5	189.5	
		9-18-67	164.5	223.5	
SHAFTER-WASCO IRRIGATION DIST					
27S/24E-35C01 M	316.0	2-23-67	208.8	107.2	5700
27S/25E-28A01 M	375.0	10-18-66	233.3	141.7	5000
		11-21-66	233.2	141.8	
		1-00-67	□		
		1-16-67	223.1	151.9	
		2-15-67	223.7	151.3	
		3-21-67	233.2	141.8	
		4-19-67	233.3	141.7	
		5-31-67	251.0	124.0	
		6-19-67	□		
		7-18-67	□		
		8-22-67	□		
		9-18-67	272.0	103.0	
28S/25E-16P01 M	329.0	10-18-66	190.7	138.3	5000
		11-21-66	195.5	133.5	
		1-00-67	□		
SHAFTER-WASCO IRRIGATION DIST					
28S/25E-16P01 M	329.0	1-17-67	192.6	136.4	5000
		2-15-67	183.3	145.7	
		3-21-67	192.9	136.1	
		4-19-67	185.3	143.7	
		5-31-67	191.3	137.7	
		6-19-67	191.5	137.5	
		7-18-67	200.0	129.0	
		8-22-67	208.0	121.0	
		9-18-67	204.0	125.0	
KERN RIVER DELTA AREA					
28S/24E-23D01 M	306.0	10-18-66	204.0	102.0	5000
		11-21-66	201.1	102.9	
		1-00-67	□		
		1-17-67	194.6	111.4	
		2-15-67	196.5	107.5	
		3-21-67	202.0	102.0	
		4-19-67	198.3	105.7	
		5-31-67	191.0	113.0	
		6-19-67	204.0	102.0	
		7-18-67	203.0	103.0	
		8-22-67	211.0	95.0	
		9-18-67	205.0	101.0	
SHAFTER-WASCO IRRIGATION DIST					
28S/25E-34J01 M	326.0	2-00-67	#		5001
28S/26E-29L01 M	349.0	3-01-67	162.1	186.9	5700
29S/25E-12W03 M	330.0	10-18-66	160.3	169.7	5000
		11-21-66	158.0	172.0	
		1-00-67	□		
		1-17-67	156.2	173.8	
		2-15-67	155.2	174.8	
		3-21-67	158.6	171.4	
		4-19-67	155.8	174.2	
		5-31-67	159.5	170.5	
		6-19-67	162.5	167.5	
		7-18-67	169.5	160.5	
		8-23-67	170.5	159.5	
		9-18-67	□		
29S/27E-33D01 M	380.0	10-18-66	118.4	261.6	5000
		11-21-66	116.8	263.2	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KERN RIVER DELTA AREA					
29S/27E-33D01 M	380.0	1-00-67	□	267.1	5000
CONT.		1-17-67	112.9	272.3	
		2-16-67	107.7	278.8	
		3-21-67	101.2	282.5	
		4-19-67	97.5	285.1	
		5-31-67	94.9	282.7	
		6-19-67	97.3	293.9	
		7-18-67	86.1	300.0	
		8-23-67	80.0		
		9-18-67			
30S/25E-03H01 M	319.3	2-00-67	#		5700
30S/25E-22D01 M	308.5	10-03-66	70.3	238.2	5640
		11-01-66	71.2	237.3	
		12-01-66	71.0	237.5	
		1-03-67	71.0	237.5	
		2-03-67	70.8	237.7	
		3-03-67	70.5	238.0	
		4-05-67	69.6	238.9	
		5-08-67	68.6	239.9	
		6-02-67	69.4	239.1	
		7-00-67	□		
		8-04-67	70.3	238.2	
		9-05-67	68.9	239.6	
30S/26E-16J01 M	339.1	1-25-67	92.0	247.1	5121
30S/26E-22P02 M	338.0	10-18-66	95.2	242.8	5000
		11-21-66	94.8	243.2	
		1-00-67	□		
		1-17-67	93.3	244.7	
		2-15-67	96.4	241.6	
		3-21-67	101.0	237.0	
		4-19-67	88.9	249.1	
		5-31-67	92.8	245.2	
		6-19-67	100.9	237.1	
		7-18-67	101.6	236.4	
		8-22-67	104.9	233.1	
		9-18-67	97.0	241.0	
30S/26E-27A01 M	338.7	2-00-67	#		5700
30S/28E-32B01 M	354.4	1-30-67	115.0	239.4	5001
KERN RIVER DELTA AREA					
30S/28E-34R02 M	359.0	10-18-66	104.9	254.1	5000
		11-21-66	97.0	262.0	
		1-00-67	□		
		1-17-67	95.3	263.7	
		2-16-67	94.3	264.7	
		3-28-67	101.4	257.6	
		4-19-67	96.0	263.0	
		6-01-67	103.2	250.8	
		6-19-67	104.3	254.7	
		7-18-67	102.8	256.2	
		8-23-67	104.1	254.9	
		9-18-67	101.4	257.6	
31S/26E-01A01 M	333.0	1-25-67	103.9	229.1	5120
31S/26E-35D01 M	294.5	1-25-67	50.2	244.3	5120
31S/27E-04L01 M	341.1	3-10-67	133.6	207.5	5700
31S/27E-28J01 M	312.1	1-23-67	62.5	249.6	5120
31S/28E-30M01 M	314.7	3-09-67	112.0	202.7	5700
32S/26E-36G01 M	378.0	1-23-67	182.2	195.8	5120
32S/27E-18E01 M	292.6	3-10-67	158.3	134.3	5700
32S/28E-04A01 M	303.0	1-31-67	□		5001
EDISON-MARICOPA AREA					
29S/29E-33N01 M	578.0	1-31-67	447.0	131.0	5001
30S/28E-02R01 M	410.0	1-30-67	□		5001
30S/28E-10N01 M	373.0	10-18-66	45.1	327.9	5000
		11-21-66	45.7	327.3	
		1-00-67	□		
		1-17-67	47.1	325.9	
		2-16-67	48.6	324.4	
		3-21-67	49.3	323.7	
		4-19-67	50.2	322.8	
		6-01-67	50.4	322.6	
		6-19-67	50.6	322.4	

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EDISON-MARICOPA AREA											
30S/28E-10N01 M	373.0	7-18-67	45.5	327.5	5000	32S/29E-16R02 M	470.0	10-19-66	328.4	141.6	5000
		8-22-67	46.0	327.0				11-22-66	328.4	141.6	
		9-18-67	51.0	322.0				1-00-67	#		
30S/28E-10N04 M	373.0	10-18-66	175.7	197.3	5000	32S/29E-19H02 M	416.0	10-19-66	202.5	213.5	5000
		11-21-66	171.9	201.1				11-22-66	201.7	214.3	
		1-00-67	168.4	204.6				1-00-67	207.6	208.4	
		1-17-67	167.1	205.9				2-16-67	202.3	213.7	
		2-16-67	172.5	204.0				3-22-67	203.1	212.9	
		3-21-67	169.0	198.0				4-20-67	202.3	213.7	
		4-20-67	175.0	196.5				6-01-67	203.0	213.0	
		6-01-67	176.5	199.5				6-20-67	203.5	212.5	
		6-19-67	173.5	199.5				7-18-67	221.0	195.0	
		7-18-67	203.5	169.5				8-23-67	204.0	212.0	
		8-22-67	353.0	162.0	5050	32S/29E-19H03 M	416.0	9-19-67	207.0	209.0	5000
		9-18-67	488.5	139.5	5001			10-19-66	336.0	80.0	
30S/29E-05F01 M	515.0	1-31-67	194.0	597.5	5001			11-22-66	324.2	91.8	
30S/29E-26A01 M	628.0	1-31-67	194.0	597.5	5001			1-00-67	323.3	92.7	
30S/30E-20R01 M	791.5	2-02-67	194.0	597.5	5001			1-17-67	318.9	97.1	
31S/29E-09A01 M	468.0	2-01-67	138.5	261.5	5001			2-16-67	347.3	68.7	
31S/29E-29A01 M	400.0	1-31-67	180.0	262.5	5001			3-22-67	321.7	94.3	
31S/30E-21G01 M	536.0	1-30-67	282.2	104.5	5001			4-20-67	355.5	60.5	
32S/25E-35N02 M	442.5	1-26-67	276.0	27.0	5121			6-01-67	361.5	54.5	
32S/28E-23R01 M	386.7	1-30-67	259.0	44.0	5001			7-18-67	382.5	33.5	
32S/28E-30D04 M	303.0	10-19-66	243.2	59.8	5000			8-23-67	403.5	12.5	
		11-22-66	245.7	57.3				9-19-67	369.5	46.5	
		1-00-67	260.0	43.0				10-19-66	209.1	263.9	5000
		1-17-67	245.0	49.0				11-21-66	209.2	263.8	
		2-16-67	254.0	18.0				1-00-67	208.7	264.3	
		2-16-67	285.0	- 13.0				1-17-67	208.8	264.2	
		3-22-67	316.0					2-16-67	208.8	264.2	
		4-20-67						3-22-67	208.2	264.8	
		6-01-67						4-20-67	208.6	264.4	
		6-20-67						6-01-67	208.8	264.2	
		7-18-67						6-20-67	209.0	265.0	
		8-23-67						7-18-67	208.5	264.0	
		9-19-67						8-23-67	208.5	264.5	
								9-19-67	215.0	258.0	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EDISON-MARICOPA AREA											
11N/18W-06P01 S	657.0	1-31-67	□		5001	27S/22E-16B01 M	238.0	6-20-67	63.4	174.6	5000
11N/18W-28D01 S	850.0	1-31-67	128.0	722.0	5001	CONT.		7-19-67	68.2	169.8	
11N/19W-04H01 S	575.9	1-31-67	411.8	164.1	5001			8-23-67	63.9	174.1	
11N/19W-07R03 S	673.0	10-19-66	486.5	186.5	5000	27S/22E-21F02 M	240.0	1-30-67	23.0	217.0	5121
		11-22-66	485.1	187.9		27S/22E-32H01 M	241.0	10-19-66	128.3	112.7	5000
		1-00-67	□					11-22-66	122.6	118.4	
		1-17-67	500.6	172.4				1-00-67	□		
		2-16-67	500.3	172.7				1-18-67	114.4	126.6	
		3-22-67	504.5	168.5				2-15-67	112.6	128.4	
		4-20-67	504.5	168.5				3-22-67	115.3	125.7	
		6-01-67	500.0	172.0				4-20-67	116.7	124.3	
		6-20-67	504.5	168.5				6-01-67	112.9	128.1	
		7-18-67	485.5	187.5				6-20-67	114.6	126.4	
		8-23-67	517.5	155.5				7-19-67	127.8	114.2	
		9-19-67	538.5	134.5				8-23-67	129.9	111.1	
11N/20W-07Q01 S	452.3	2-00-67	□		5700	28S/22E-09D01 M	240.0	9-19-67	125.4	115.6	5000
11N/20W-18F01 S	484.7	1-30-67	338.0	146.7	5001			10-19-66	22.6	217.4	
11N/20W-24A01 S	730.2	2-00-67	□		5700			11-21-66	23.2	216.8	
11N/21W-05M01 S	515.9	2-00-67	□		5700			1-00-67	□		
11N/22W-04H01 S	529.0	2-00-67	□		5700			1-18-67	20.8	219.2	
12N/20W-31R01 S	363.0	1-30-67	244.4	118.6	5001			2-16-67	20.1	219.9	
12N/21W-29N01 S	423.3	1-23-67	330.0	93.3	5121			3-21-67	18.3	221.7	
12N/23W-28P01 S	498.0	1-26-67	280.0	218.0	5121			4-20-67	17.6	222.4	
								6-01-67	17.2	222.8	
								6-20-67	18.4	221.6	
								7-19-67	16.1	223.9	
								8-23-67	13.6	226.4	
								9-19-67	12.9	227.1	
27S/22E-16B01 M	238.0	BUENA VISTA WATER STORAGE DIST			5000	28S/22E-10D02 M	245.0	1-31-67	21.0	224.0	5121
						28S/23E-31R01 M	257.8	10-03-66	43.2	214.6	5640
								2-02-67	45.3	212.5	
						29S/23E-08A01 M	260.3	10-03-66	43.2	217.1	5640
								2-02-67	39.4	220.9	
						29S/23E-27M01 M	270.0	10-19-66	50.0	220.0	5000
								11-22-66	50.3	219.7	
								1-00-67	□		
								1-18-67	47.1	222.9	

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUENA VISTA WATER STORAGE DIST					
5-22.42					
29S/23E-27W01 M	270.0	2-16-67	□	221.2	5000
CONT.		3-22-67	47.8	222.1	
		4-20-67	46.9	223.6	
		6-01-67	46.4	224.0	
		6-20-67	46.0	225.3	
		7-19-67	44.7	227.2	
		8-23-67	42.8	229.2	
		9-19-67	40.8		
30S/23E-01C01 M	276.8	10-03-66	65.1	211.7	5640
		2-02-67	62.2	214.6	
30S/24E-02C01 M	287.0	10-03-66	87.9	199.1	5640
		2-02-67	84.9	202.1	
30S/24E-04C01 M	283.0	10-19-66	74.6	208.4	5000
		11-22-66	82.3	201.7	
		1-00-67	□		
		1-18-67	73.5	209.5	
		2-16-67	72.4	210.6	
		3-22-67	79.8	203.2	
		4-20-67	71.2	211.8	
		6-01-67	71.6	211.4	
		6-20-67	72.9	210.1	
		7-19-67	72.7	210.3	
		8-23-67	72.4	210.6	
		9-19-67	□		
31S/25E-27F01 M	283.0	10-19-66	57.4	225.6	5000
		11-22-66	58.7	224.3	
		1-00-67	□		
		1-17-67	□		
		2-16-67	30.3	252.7	
		3-22-67	27.5	255.5	
		4-20-67	26.5	256.5	
		6-01-67	23.6	259.4	
		6-20-67	23.4	259.6	
		7-19-67	22.9	260.1	
		8-23-67	22.8	260.2	
		9-19-67	22.9	260.1	
SEMITROPIC WATER STORAGE DIST					
5-22.43					
25S/22E-02N02 M	212.0	1-00-67	□		5000
CONT.		1-16-67	77.3	134.7	
		2-15-67	74.2	137.8	
		3-21-67	71.8	140.2	
		4-19-67	71.4	140.6	
		5-31-67	73.5	138.5	
		6-19-67	74.8	137.2	
		7-18-67	77.4	134.6	
		8-22-67	80.0	132.0	
		9-18-67	72.4	139.6	
25S/22E-14G01 M	215.0	10-03-66	168.5	46.5	5121
		2-02-67	167.5	47.5	
25S/23E-28D01 M	217.0	10-18-66	110.3	106.7	5000
		11-21-66	104.3	112.7	
		1-00-67	□		
		1-16-67	96.6	120.4	
		2-15-67	93.3	123.7	
		3-21-67	94.5	122.5	
		4-19-67	□		
		5-31-67	96.2	120.8	
		6-19-67	98.7	118.3	
		7-18-67	101.0	116.0	
		8-22-67	103.0	114.0	
		9-18-67	109.0	108.0	
25S/23E-28D03 M	217.0	10-18-66	247.5	- 30.5	5000
		11-21-66	216.8	0.2	
		1-00-67	□		
		1-16-67	177.3	39.7	
		2-15-67	167.2	49.8	
		3-21-67	195.0	22.0	
		4-19-67	□		
		5-31-67	187.1	29.9	
		6-19-67	195.5	21.5	
		7-18-67	233.0	- 16.0	
		8-22-67	249.0	- 32.0	
		9-18-67	254.0	- 37.0	
25S/24E-07R01 M	228.0	2-01-67	91.6	136.4	5001
25S/24E-15H01 M	248.0	10-18-66	89.4	158.6	5000
		11-21-66	88.7	158.8	
		1-00-67	□		

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SEMITROPIC WATER STORAGE DIST 5-22-43											
25S/24E-15H01 M	248.0	1-16-67	87.6	160.4	5000	26S/24E-23H01 M	295.5	2-00-67	□		5700
CONT.		2-15-67	87.5	160.5				10-18-66	105.5	161.5	
		3-21-67	87.6	160.4				11-21-66	105.5	161.5	5000
		4-19-67	85.0	163.0				1-00-67	□		
		5-31-67	86.9	161.1				1-16-67	101.7	165.3	
		6-19-67	87.3	160.7				2-15-67	100.7	166.3	
		7-18-67	87.4	160.6				3-21-67	96.8	170.2	
		8-22-67	87.3	160.7				4-19-67	75.4	191.6	
		9-18-67	87.3	160.7				5-31-67	78.9	188.1	
								6-19-67	94.4	172.6	
25S/24E-30H01 M	237.4	2-01-67	161.1	76.3	5001			7-18-67	96.0	171.0	
CONT.								8-22-67	101.5	165.5	
								9-18-67	□		
26S/21E-14E01 M	244.0	10-19-66	40.2	203.8	5000	27S/23E-01R04 M	267.0	10-18-66	236.5	30.5	5000
CONT.		11-21-66	40.2	203.8				11-21-66	213.6	53.4	
								1-00-67	□		
								1-16-67	195.2	71.8	
								2-15-67	195.7	71.3	
								3-21-67	229.7	37.3	
								4-19-67	205.1	61.9	
								5-31-67	228.5	38.5	
								6-19-67	241.0	26.0	
								7-18-67	264.5	2.5	
								8-22-67	251.5	15.5	
26S/21E-14J01 M	237.0	10-03-66	35.0	202.0	5121			9-18-67	264.5	2.5	
CONT.		2-02-67	36.0	201.0							
26S/22E-10G02 M	225.0	10-18-66	□		5000	27S/23E-06L01 M	258.0	1-31-67	40.0	218.0	5121
CONT.		11-21-66	□					10-03-66	30.6	224.4	5640
								11-01-66	33.0	222.0	
								12-01-66	34.2	220.8	
								1-03-67	31.2	223.8	
								2-03-67	30.6	224.4	
								3-03-67	32.9	222.1	
								4-03-67	33.7	221.3	
								5-02-67	42.7	212.3	
								6-02-67	38.7	216.3	
								7-00-67	□		
26S/22E-35E01 M	253.0	10-03-66	□		5121		8-04-67	39.3	215.7		
CONT.		2-02-67	109.0	144.0				9-05-67	36.8	218.2	
26S/23E-02R01 M	234.9	2-01-67	147.0	87.9	5120						

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SEMITROPIC WATER STORAGE DIST					
28S/24E-28A01 M	301.1	10-03-66	□	114.6	5640
		11-01-66	186.5	117.6	
		12-01-66	183.5	118.5	
		1-03-67	182.6	118.3	
		2-03-67	182.8		
		3-03-67	□		
		4-04-67	□		
		5-03-67	□		
		6-02-67	□		
		7-00-67	□		
		8-04-67	□		
		9-05-67	□		
29S/24E-14R01 M	290.0	1-30-67	90.0	200.0	5121
AVENAL-MCKITTRICK AREA					
23S/16E-29E02 M	560.0	10-19-66	134.2	425.8	5000
		11-30-66	□		
		11-22-66	135.0	425.0	
		1-00-67	□		
		1-19-67	134.6	425.4	
		2-16-67	134.0	425.0	
		3-22-67	134.9	425.1	
		4-20-67	135.2	424.8	
		6-01-67	135.2	424.8	
		6-20-67	135.1	424.9	
		7-20-67	135.5	424.5	
		8-23-67	135.6	424.4	
		9-19-67	135.4	424.6	
23S/19E-26M01 M	267.0	10-04-66	74.0	193.0	5050
		11-01-66	72.0	195.0	
		11-28-66	□		
		1-07-67	□		
		2-03-67	□		
		3-01-67	□		
		4-00-67	□		
		5-02-67	□		
		6-05-67	□		
		6-28-67	□		
		8-01-67	□		
		8-28-67	□		
		9-25-67	□		
AVENAL-MCKITTRICK AREA					
25S/19E-15E01 M	422.0	10-04-66	105.0	317.0	5121
		2-03-67	105.0	317.0	
25S/19E-20E02 M	480.0	10-19-66	134.1	345.9	5000
		11-22-66	133.1	346.9	
		1-00-67	□		
		1-19-67	131.9	348.1	
		2-16-67	132.2	347.8	
		3-22-67	□		
		4-20-67	□		
		6-01-67	□		
		6-20-67	139.9	340.1	
		7-19-67	□		
		8-23-67	□		
		9-19-67	□		
25S/20E-04E01 M	268.0	10-03-66	62.0	206.0	5121
		2-02-67	61.0	207.0	
26S/17E-13E02 M	910.0	10-04-66	153.5	756.5	5121
		2-03-67	153.5	756.5	
26S/18E-16H01 M	685.0	10-04-66	□		5121
		2-03-67	DRY		
26S/18E-19E02 M	875.0	10-04-66	160.0	715.0	5121
		2-03-67	148.0	727.0	
26S/18E-27F01 M	730.0	10-04-66	204.2	525.8	5121
		2-03-67	215.2	514.8	
26S/19E-12E01 M	530.0	10-04-66	□		5121
		2-03-67	203.0	327.0	
27S/18E-15R01 M	1220.0	10-04-66	37.0	1183.0	5121
		2-03-67	36.0	1184.0	
28S/22E-20M01 M	290.0	10-04-66	53.2	236.8	5050
		11-01-66	52.2	237.8	
		11-30-66	55.5	234.5	
		1-10-67	56.3	233.7	
		1-30-67	53.5	236.5	
		3-01-67	54.9	235.1	
		4-00-67	□		

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
AVENAL-MCKITTTRICK AREA						TULARE LAKE-LOST HILLS AREA					
28S/20E-20M01 M CONT.	290.0	5-02-67	54.3	235.7	5050	23S/19E-14R01 M CONT.	235.0	6-05-67	40.1	194.9	5050
		6-05-67	53.4	236.6				6-28-67	40.0	195.0	
		6-28-67	56.5	233.5				8-01-67	40.1	194.9	
		8-01-67	54.7	235.3				8-28-67	43.8	191.2	
		8-28-67	57.7	232.3				9-25-67	40.5	194.5	
		9-25-67	54.0	236.0		24S/21E-15J01 M	211.0	10-10-66	26.4	184.6	5050
TULARE LAKE-LOST HILLS AREA								11-04-66	29.5	181.5	
		10-19-66	223.9	- 42.9				11-28-66	□		
		11-23-66	217.5	- 36.5	5000			1-06-67	24.4	186.6	
		1-00-67	□					2-06-67	29.0	182.0	
		1-19-67	216.0	- 37.5				2-28-67	29.3	181.7	
		2-16-67	203.3	- 22.3				4-11-67	24.0	187.0	
		3-00-67	#					4-28-67	21.7	189.3	
		10-19-66	243.1	- 65.1				6-02-67	21.5	189.5	
		11-23-66	241.2	- 63.2	5000			7-05-67	25.3	185.7	
		1-00-67	□					7-31-67	26.5	184.5	
		2-16-67	229.7	- 51.7				9-05-67	21.5	189.5	
		3-00-67	243.2	- 65.2		24S/21E-26R01 M	210.0	10-10-66	23.0	187.0	5000
		10-10-66	204.5	- 19.0				11-04-66	22.1	187.9	
		11-01-66	211.5	- 26.0				11-28-66	□		
		11-28-66	211.5	- 26.0	5050			2-06-67	24.1	185.9	
		1-06-67	197.5	- 12.0				2-28-67	31.3	178.7	
		2-06-67	183.5	2.0				4-11-67	23.0	187.0	
		2-28-67	172.5	13.0				4-28-67	23.5	186.5	
		4-11-67	162.5	23.0				6-02-67	26.0	184.0	
		4-28-67	156.5	29.0				7-05-67	22.0	188.0	
		6-02-67	□					7-31-67	20.4	189.6	
		7-05-67	141.0	44.5				9-05-67	□		
		7-31-67	137.5	48.0				10-04-66	37.0	200.5	5050
		9-05-67	134.5	51.0				11-01-66	37.0	200.5	
		10-04-66	40.8	194.2				11-28-66	37.0	200.5	
		11-01-66	41.0	194.0				1-09-67	37.0	200.5	
		11-30-66	40.5	194.9				2-03-67	36.7	200.8	
		1-09-67	40.1	194.9				3-01-67	36.8	200.7	
		2-03-67	40.0	195.0				4-00-67	□		
		3-01-67	43.0	192.0				5-02-67	36.8	200.7	
		4-00-67	□					6-05-67	36.9	200.6	
		4-28-67	40.9	194.1				6-28-67	37.0	200.5	
								8-01-67	37.0	200.5	
								8-28-67	37.2	200.3	
								9-25-67	37.0	200.5	
23S/19E-14R01 M	235.0	10-04-66	40.8	194.2	5050	25S/21E-30K01 M	237.5	10-04-66	37.0	200.5	5050
		11-01-66	41.0	194.0				11-01-66	37.0	200.5	
		11-30-66	40.5	194.5				11-28-66	37.0	200.5	
		1-09-67	40.1	194.9				1-09-67	37.0	200.5	
		2-03-67	40.0	195.0				2-03-67	36.7	200.8	
		3-01-67	43.0	192.0				3-01-67	36.8	200.7	
		4-00-67	□					4-00-67	□		
		4-28-67	40.9	194.1				5-02-67	36.8	200.7	
								6-05-67	36.9	200.6	
								6-28-67	37.0	200.5	
								8-01-67	37.0	200.5	
								8-28-67	37.2	200.3	
								9-25-67	37.0	200.5	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TULARE LAKE-LOST HILLS AREA					
5-22.45					
26S/21E-22D01 M	281.0	10-04-66	76.1	204.9	5050
		11-01-66	75.5	205.5	
		11-28-66	75.8	205.2	
		1-09-67	76.0	205.0	
		2-03-67	□		
		3-01-67	75.5	205.5	
		4-00-67	□		
		5-02-67	75.5	205.5	
		6-05-67	75.5	205.5	
		6-28-67	74.8	206.2	
		8-01-67	73.7	207.3	
		8-28-67	78.3	202.7	
		9-25-67	74.8	206.2	
CORCORAN IRRIGATION DISTRICT					
5-22.46					
21S/22E-16L02 M	196.5	10-10-66	51.0	145.5	5050
		11-04-66	50.5	146.0	
		11-28-66	48.0	148.5	
		1-06-67	46.4	150.1	
		2-06-67	45.0	151.5	
		2-27-67	45.5	151.0	
		4-11-67	47.5	149.0	
		4-28-67	45.4	151.1	
		6-02-67	41.1	155.4	
		7-05-67	50.5	146.0	
		7-31-67	39.2	157.3	
		9-05-67	43.5	153.0	
21S/22E-21P01 M	192.0	1-06-67	204.0	- 12.0	5050
		2-06-67	176.0	16.0	
		2-28-67	181.1	10.9	
		4-11-67	171.0	21.0	
		4-28-67	166.5	25.5	
		6-02-67	153.1	38.9	
		7-05-67	154.0	38.0	
		7-31-67	132.7	59.3	
		9-05-67	131.0	61.0	
21S/22E-27A01 M	196.0	10-10-66	27.5	168.5	5050
		11-04-66	28.0	168.0	
		11-28-66	27.5	168.5	
		1-06-67	24.6	171.4	
		2-06-67	24.0	172.0	
		2-27-67	26.4	169.6	
CORCORAN IRRIGATION DISTRICT					
5-22.46					
21S/22E-27A01 M	196.0	4-11-67	23.6	172.4	5050
		4-28-67	22.5	173.5	
		6-02-67	25.0	171.0	
		7-05-67	24.5	171.5	
		7-31-67	23.5	172.5	
		9-05-67	21.6	174.4	
21S/22E-36A01 M	205.0	10-10-66	194.0	11.0	5050
		11-04-66	201.0	4.0	
22S/22E-01B02 M	201.0	10-10-66	21.0	180.0	5050
		11-04-66	□		
		11-28-66	17.5	183.5	
		1-06-67	16.4	184.6	
		2-06-67	18.0	183.0	
		2-28-67	17.6	183.4	
		4-11-67	17.2	183.8	
		4-28-67	16.9	184.1	
		6-02-67	16.8	184.2	
		7-05-67	18.5	182.5	
		7-31-67	16.2	184.8	
		9-05-67	14.5	186.5	
22S/22E-05L01 M	188.0	10-10-66	198.0	- 10.0	5050
		11-04-66	205.0	- 17.0	
		11-28-66	□		
		1-06-67	188.0	0.0	
		2-06-67	179.0	9.0	
		2-28-67	□		
		4-11-67	155.0	33.0	
		4-28-67	151.0	37.0	
		6-02-67	143.0	45.0	
		7-05-67	136.0	52.0	
		7-31-67	131.0	57.0	
		9-05-67	125.0	63.0	
22S/22E-13P01 M	193.0	10-10-66	22.0	171.0	5050
		11-04-66	19.4	173.6	
		11-28-66	19.5	174.4	
		1-06-67	18.6	174.8	
		2-06-67	16.2	176.8	
		2-28-67	17.6	175.4	
		4-11-67	15.8	177.2	
		4-28-67	15.2	177.8	
		6-02-67	15.0	178.0	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CORCORAN IRRIGATION DISTRICT						MENDOTA-HURON AREA					
5-22.46						5-22.47					
22S/22E-13P01 M CONT.	193.0	7-05-67	15.5	177.5	5050	15S/14E-15E01 M CONT.	234.0	1-00-67	□	180.8	5000
		7-31-67	16.6	176.4				1-20-67	53.2	182.0	
		9-05-67	14.5	178.5				2-17-67	52.0	181.2	
22S/22E-15C01 M	191.0	10-10-66	183.5	7.5	5050			3-23-67	52.8		
		11-04-66	187.5	3.5				4-21-67	□		
		11-28-66	182.5	8.5				6-02-67	52.5	181.5	
		1-06-67	176.5	14.5				6-21-67	52.7	181.3	
		2-06-67	168.5	22.5				7-21-67	53.0	181.0	
		2-28-67	159.6	31.4				8-24-67	55.0	179.0	
		4-11-67	150.3	40.7				9-20-67	55.0	179.0	
		4-28-67	145.5	45.5							
		6-02-67	136.5	54.5				10-20-66	431.7	-195.7	
		7-05-67	120.0	70.5				11-23-66	434.9	-200.9	
		7-31-67	127.5	63.5				1-00-67	□		
		9-05-67	128.5	62.5				1-20-67	403.1	-167.1	
								2-17-67	410.8	-174.8	
MENDOTA-HURON AREA						MENDOTA-HURON AREA					
5-22.47						5-22.47					
13S/12E-05Q01 M	247.0	11-08-66	270.0	- 23.0	5001	15S/14E-15E04 M	236.0	10-20-66	431.7	-195.7	5000
		3-00-67	@					11-23-66	434.9	-200.9	
13S/12E-22N01 M	280.0	11-09-66	163.6	116.4	5001			1-00-67	□		
		3-09-67	168.0	112.0				2-17-67	403.1	-167.1	
13S/13E-12A01 M	183.0	11-00-66	□		5001			3-23-67	405.0	-169.0	
		3-10-67	□					4-21-67	□		
13S/13E-15R01 M	222.0	11-03-66	□		5001			6-02-67	423.0	-187.0	
		3-00-67	#					6-21-67	436.0	-200.0	
13S/14E-09J01 M	164.0	11-09-66	□		5001			7-21-67	435.0	-199.0	
		3-09-67	□					8-24-67	□		
14S/13E-15M01 M	321.0	12-28-66	□		5050			9-20-67	□		
14S/14E-28E02 M	248.0	10-20-66	58.1	189.9	5000	15S/15E-22Q01 M	176.0	2-00-67	□		5001
14S/15E-18E02 M	178.0	12-29-66	233.0	- 55.0	5050			10-20-66	38.3	126.7	5000
14S/15E-35N01 M	161.0	2-00-67	□		5001	15S/16E-17L01 M	165.0	11-23-66	37.6	127.4	
15S/14E-15E01 M	234.0	10-20-66	52.7	181.3	5000			1-00-67	□		
		11-23-66	52.8	181.2				1-20-67	37.9	127.1	
								2-17-67	38.2	126.8	
								3-23-67	39.3	125.7	
								4-21-67	39.0	126.0	
								6-02-67	39.7	125.3	
								6-21-67	39.7	125.3	
								7-21-67	40.5	124.5	
								8-24-67	41.1	123.9	
								8-20-67	41.8	123.2	
15S/15E-20R01 M	170.0	10-26-66	82.0	88.0	5001						
15S/16E-28A04 M	169.0	10-20-66	185.4	- 16.4	5000						
		11-23-66	185.0	- 16.0							
		1-00-67	□								

TABLE C-3(Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MENDOTA-HURON AREA					
15S/16E-28A04 M CONT.	169.0	1-20-67	179.0	- 10.0	5000
		2-17-67	175.3	- 6.3	
		3-23-67	179.4	- 10.4	
		4-21-67	180.7	- 11.7	
		6-02-67	181.1	- 12.1	
		6-21-67	180.0	- 11.0	
		7-21-67	□		
		8-24-67	184.5	- 15.5	
		9-20-67	193.5	- 24.5	
15S/16E-34E01 M	172.0	10-26-66	131.8	40.2	5000
		11-22-66	123.6	48.4	
		12-20-66	118.7	53.3	
		1-17-67	#		
16S/14E-16N01 M	498.0	10-26-66	704.7	-206.7	5000
		11-21-66	689.4	-191.4	
		12-20-66	669.3	-171.3	
		1-17-67	#		
16S/15E-02N02 M	219.0	2-00-67	□		5001
16S/16E-10N01 M	187.0	2-00-67	□		5001
17S/14E-13R01 M	457.0	12-30-66	□		5050
17S/16E-02E01 M	218.0	2-00-67	□		5001
17S/16E-24R01 M	232.5	10-20-66	187.4	45.1	5050
17S/16E-30A03 M	290.0	10-20-66	66.3	223.7	5000
		11-23-66	66.0	224.0	
		1-00-67	□		
		1-20-67	62.9	227.1	
		2-17-67	66.6	223.4	
		3-23-67	64.5	225.5	
		4-21-67	64.1	225.9	
		6-02-67	66.6	223.4	
		6-21-67	66.8	223.2	
		7-21-67	71.0	219.0	
		8-24-67	73.0	217.0	
		9-20-67	59.5	230.5	
17S/17E-21N02 M	226.0	10-26-66	289.5	- 63.5	5050
MENDOTA-HURON AREA					
5-22.47					
18S/17E-12N01 M	253.0	12-29-66	348.0	- 95.0	5050
18S/17E-29N01 M	305.0	12-28-66	#		5050
19S/18E-15W01 M	274.0	12-28-66	367.0	- 93.0	5050
19S/18E-27W01 M	281.0	12-30-66	376.0	- 95.0	5000
20S/18E-11N01 M	277.0	12-30-66	514.0	-237.0	5050
20S/18E-11Q01 M	270.0	10-26-66	473.3	-203.3	5000
		11-22-66	474.7	-204.7	
		12-21-66	461.6	-191.6	
		1-18-67	461.5	-191.5	
		2-15-67	475.2	-205.2	
		3-14-67	474.2	-204.2	
		4-13-67	467.9	-197.9	
		5-10-67	442.6	-172.6	
		6-20-67	□		
		7-07-67	464.2	-194.2	
		8-24-67	485.9	-215.9	
		8-30-67	487.1	-217.1	
		9-27-67	487.7	-217.7	
20S/18E-36D01 M	260.0	10-19-66	302.2	- 42.2	5050
21S/15E-01E01 M	623.0	2-00-67	□		5050
21S/16E-02N01 M	570.0	2-00-67	□		5050
21S/16E-07N01 M	634.0	2-00-67	□		5050
21S/16E-35D01 M	682.0	2-00-67	□		5050
21S/17E-06N01 M	526.0	2-00-67	□		5050
21S/17E-11E01 M	413.0	12-29-66	#		5050
21E/17E-24G01 M	425.0	12-29-66	□		5050
21S/18E-28W02 M	363.0	10-19-66	385.2	- 22.2	5000
22S/16E-12F01 M	787.0	2-00-67	#		5050

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
POSO SOIL CONSERVATION DISTRICT											
10S/13E-06R01 M	110.0	10-04-66	9.8	100.2	5529	11S/13E-33L01 M	126.0	4-04-67	9.0	117.0	5529
		11-01-66	10.3	99.7				5-05-67	7.2	118.8	
		12-01-66	10.4	99.6				6-03-67	6.6	119.4	
		1-03-67	10.0	100.0				7-07-67	7.4	118.6	
		2-03-67	10.0	100.0				8-04-67	8.7	117.3	
		3-03-67	10.2	99.8				9-02-67	7.9	118.1	
		4-04-67	10.8	99.2							
		5-05-67	10.2	99.8		12S/13E-13J01 M	140.0	10-04-66	9.3	130.7	5529
		6-03-67	5.2	104.8				11-01-66	8.8	131.2	
		7-07-67	8.5	101.5				12-01-66	8.9	131.1	
		8-04-67	9.3	100.7				1-03-67	9.1	130.9	
		9-02-67	8.7	101.3				2-03-67	8.0	132.0	
								3-03-67	8.4	131.6	
								4-04-67	8.4	131.6	
								5-05-67	10.4	129.6	
								6-03-67	7.5	131.5	
								7-07-67	7.4	132.6	
								8-04-67	8.7	131.3	
								9-02-67	9.1	130.9	
11S/13E-05Q01 M	117.0	10-04-66	12.4	104.6	5529	TERRA BELLA IRRIGATION DISTRICT					
		11-01-66	10.6	106.4		22S/27E-25J03 M	532.0	10-26-66	113.4	418.6	5001
		12-01-66	10.6	106.4				11-22-66	113.1	418.9	
		1-03-67	10.9	106.1				12-20-66	105.8	426.2	
		2-03-67	10.5	106.5				1-24-67	105.3	426.7	
		3-03-67	11.5	105.5				2-28-67	98.6	433.4	
		4-04-67	9.0	108.0				3-28-67	92.7	439.3	
		5-05-67	8.5	108.5				4-25-67	94.2	437.8	
		6-03-67	8.4	108.6				5-23-67	91.9	440.1	
		7-07-67	6.7	110.3				6-27-67	108.9	423.1	
		8-04-67	13.3	103.7				7-25-67	99.0	433.0	
		9-02-67	13.9	103.1				8-22-67	99.9	432.1	
								9-19-67	110.8	421.2	
11S/13E-26A01 M	128.0	10-04-66	10.5	117.5	5529	23S/27E-01A01 M	506.0	10-26-66	85.4	420.6	5001
		11-01-66	11.4	116.6				11-22-66	85.1	420.9	
		12-01-66	11.7	116.3				12-20-66	84.6	421.4	
		1-03-67	10.9	117.1				1-24-67	83.6	422.4	
		2-03-67	9.7	118.3				2-28-67	78.8	427.2	
		3-03-67	12.3	115.7				3-28-67	79.7	426.3	
		4-04-67	12.1	115.9				4-28-67	80.8	425.2	
		5-05-67	12.0	116.0				5-23-67	81.9	424.1	
		6-03-67	7.6	120.4				6-27-67	82.5	423.5	
		7-07-67	7.6	120.4				7-25-67	83.0	423.0	
		8-04-67	10.9	117.1				8-22-67	82.5	423.5	
		9-02-67	15.2	112.8				9-19-67	83.0	423.0	
11S/13E-33L01 M	126.0	10-04-66	9.1	116.9	5529						
		11-01-66	9.8	116.2							
		12-01-66	10.4	115.6							
		1-03-67	10.2	115.8							
		2-03-67	9.4	116.6							

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TERRA BELLA IRRIGATION DISTRICT											
5-22.50											
23S/27E-01A01 M	506.0	8-22-67	83.5	422.5	5001	8S/12E-19D01 M	90.0	10-04-66	23.8	66.2	5050
CONT.		9-19-67	83.7	422.3				11-03-66	23.3	66.7	
23S/27E-10H01 M	518.0	10-26-66	242.5	275.5	5001			12-08-66	18.9	71.1	
		11-22-66	241.0	277.0				1-05-67	16.1	73.9	
		12-20-66	234.7	283.3				2-06-67	14.1	75.9	
		1-24-67	232.0	286.0				3-06-67	14.8	76.1	
		2-28-67	229.2	288.8				4-07-67	11.0	75.2	
		3-28-67	237.0	281.0				5-05-67	11.3	79.0	
		4-26-67	226.6	291.4				6-07-67	12.1	78.7	
		5-23-67	226.7	291.3				7-07-67	12.1	77.9	
		6-27-67	244.5	273.5				8-07-67	15.4	74.6	
		7-25-67	237.0	281.0				9-01-67	19.5	70.5	
		8-22-67	238.5	279.5				9-07-66	107.9	112.1	5050
		9-19-67	239.4	278.6				10-04-66	#		
MERCED BOTTOMS											
5-22.54											
7S/10E-23K02 M	80.0	10-04-66	7.5	72.5	5050	9S/12E-01C01 M	110.5	10-04-66	48.5	62.0	5050
		11-03-66	8.6	71.4				11-03-66	44.2	66.3	
		12-08-66	7.3	72.7				12-08-66	42.5	68.0	
		1-11-67	6.4	73.6				1-05-67	42.5	68.0	
		2-06-67	6.3	73.7				2-06-67	35.1	75.4	
		3-06-67	3.2	76.8				3-06-67	31.9	78.6	
		4-06-67	3.9	76.1				4-07-67	30.6	79.9	
		5-03-67	4.1	75.9				5-05-67	24.5	86.0	
		6-07-67	10.2	69.8				6-07-67	□		
		7-05-67	4.4	75.6				7-07-67	□		
		8-03-67	4.4	75.6				8-07-67	□		
		9-06-67	5.0	75.0				9-01-67	50.2	60.3	
MERCED BOTTOMS											
5-22.54											
7S/12E-27F01 M	110.5	10-04-66	10.4	100.1	5050	9S/14E-01B01 M	180.0	10-04-66	94.1	85.9	5050
		11-03-66	10.3	100.2				11-03-66	82.6	97.4	
		12-08-66	9.4	101.1				12-08-66	69.4	110.6	
		1-05-67	8.6	101.9				1-05-67	63.9	116.1	
		2-06-67	6.9	103.6				2-06-67	60.0	120.0	
		3-06-67	7.6	102.9				3-06-67	58.2	121.8	
		4-07-67	7.4	103.1				4-07-67	58.7	121.3	
		5-05-67	6.4	104.1				5-05-67	56.3	123.7	
		6-07-67	8.4	102.1				6-07-67	67.2	112.8	
		7-07-67	9.4	101.1				7-07-67	86.3	93.7	
		8-07-67	10.7	99.8				8-07-67	101.9	78.1	
		9-01-67	11.9	98.6				9-01-67	103.0	78.0	

TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MERCED BOTTOMS											
9S/14E-01B03 M	180.0	10-04-66	39.6	140.4	5050	12S/21E-07A02 M	405.5	2-01-67	5-22.65	252.1	5001
		11-03-66	40.2	139.8		CONT.		3-02-67	153.4	253.7	
		12-08-66	40.4	139.6				4-01-67	150.1	255.4	
		1-05-67	40.3	139.7				5-01-67	149.5	256.0	
		2-06-67	40.2	139.8				6-01-67	147.3	258.2	
		3-06-67	39.9	140.1				7-02-67	147.0	258.5	
		4-07-67	39.5	140.5				8-02-67	146.2	259.3	
		5-05-67	38.9	141.1				9-03-67	146.0	259.5	
		6-07-67	38.5	141.5							
		7-07-67	38.9	141.1							
		8-07-67	42.5	137.5							
		9-01-67	40.0	140.0							
9S/14E-06D01 M	141.0	10-04-66	43.1	97.9	5050	12S/21E-18A03 M	390.5	10-02-66	113.6	277.9	5001
		11-03-66	41.5	99.5				11-02-66	111.8	278.7	
		12-08-66	41.6	99.4				12-03-66	108.5	282.0	
		1-05-67	43.5	97.5				1-03-67	110.7	279.8	
		2-06-67	41.2	99.8				2-01-67	109.0	281.5	
		3-06-67	40.7	100.3				3-02-67	107.5	283.0	
		4-07-67	40.6	100.4				4-01-67	107.1	283.4	
		5-05-67	42.6	98.4				5-01-67	106.7	283.8	
		6-07-67	40.5	100.5				6-01-67	□	284.0	
		7-07-67	42.3	98.7				7-02-67	106.5	283.4	
		8-07-67	44.0	97.0				8-02-67	107.1	□	
		9-01-67	43.5	97.5				9-03-67	□	□	
GARFIELD WATER DISTRICT											
12S/20E-13A01 M	388.0	10-02-66	120.6	267.4	5001	17S/20E-36R02 M	243.0	10-29-66	5-22.66	224.9	5129
		11-01-66	119.8	268.2				11-27-66	18.1	225.6	
		12-03-66	119.2	268.8				12-26-66	17.4	225.6	
		1-03-67	116.1	271.9				2-03-67	17.8	225.2	
		2-01-67	115.6	272.4				2-28-67	17.4	225.6	
		3-02-67	115.3	272.7				4-02-67	17.5	228.4	
		4-01-67	114.9	273.1				4-30-67	16.6	228.0	
		5-01-67	114.2	273.8				6-03-67	15.0	228.0	
		6-01-67	115.2	272.8				7-01-67	15.2	227.8	
		7-02-67	117.4	270.6				7-30-67	15.7	227.3	
		8-02-67	118.9	269.1				9-02-67	□	□	
		9-03-67	116.9	271.1							
12S/21E-07A02 M	405.5	10-02-66	158.8	246.7	5001	17S/22E-11P01 M	283.0	10-02-66	30.3	252.7	5129
		11-01-66	160.4	245.1				10-29-66	30.0	253.0	
		12-03-66	157.1	248.4				11-27-66	27.1	252.9	
		1-04-67	155.6	249.9				12-26-66	26.6	256.4	
								2-03-67	25.9	257.1	
								2-28-67	26.0	257.0	
								4-02-67	26.2	256.8	
								4-30-67	26.9	260.1	
								6-10-67	26.2	256.8	
								7-01-67	26.8	256.2	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KINGS COUNTY WATER DISTRICT					
5-22.66					
17S/22E-11P01 M	283.0	7-29-67	26.8	256.2	5129
CONT.		9-02-67	24.3	258.7	
17S/22E-35N01 M	266.0	10-02-66	48.8	217.2	5129
		10-29-66	49.3	216.7	
		11-27-66	46.3	219.7	
		12-26-66	45.4	220.6	
		2-03-67	43.3	222.7	
		2-28-67	42.3	223.7	
		4-02-67	41.5	224.5	
		4-30-67	41.5	224.5	
		6-10-67	43.9	222.1	
		7-01-67	44.2	221.8	
		7-29-67	44.0	222.0	
		9-02-67	45.3	220.7	
18S/21E-17N01 M	238.0	10-02-66	13.7	224.3	5129
		10-29-66	13.3	224.7	
		11-27-66	13.3	224.7	
		12-26-66	13.2	224.8	
		2-03-67	12.9	225.1	
		3-03-67	12.8	225.2	
		4-02-67	12.8	225.2	
		4-30-67	12.2	225.8	
		6-03-67	12.5	225.5	
		7-02-67	13.1	224.9	
		7-30-67	12.1	225.9	
		9-02-67	10.4	227.6	
18S/22E-21H01 M	258.0	10-02-66	85.2	172.8	5129
		10-29-66	86.3	171.7	
		11-27-66	83.2	174.8	
		12-26-66	82.6	175.4	
		2-03-67	80.1	177.9	
		2-28-67	79.7	178.3	
		4-02-67	78.4	179.6	
		4-30-67	78.8	179.2	
		6-04-67	80.7	177.3	
		7-01-67	83.0	175.0	
		7-29-67	83.2	174.8	
		9-03-67	86.2	171.8	
18S/23E-28B01 M	263.0	10-02-66	99.0	164.0	5129
		10-29-66	98.7	164.3	
		11-27-66	96.5	166.5	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KINGS COUNTY WATER DISTRICT					
5-22.66					
18S/23E-28B01 M	263.0	12-26-66	95.1	167.9	5129
		2-03-67	92.3	170.7	
		2-28-67	92.0	171.0	
		4-02-67	91.2	171.8	
		4-30-67	90.2	172.8	
		6-10-67	94.1	168.9	
		7-01-67	□	154.4	
		7-29-67	108.6		
		9-02-67	□		
19S/21E-20N01 M	225.0	10-02-66	18.3	206.7	5129
		10-29-66	19.1	205.9	
		11-27-66	19.6	205.4	
		12-26-66	16.2	208.8	
		2-03-67	15.6	209.4	
		2-28-67	16.0	209.0	
		4-02-67	15.9	209.1	
		4-30-67	14.8	210.2	
		6-04-67	14.3	210.7	
		7-01-67	15.1	209.9	
		7-30-67	14.5	210.5	
		9-02-67	12.5	212.5	
		9-29-67	14.4	210.6	
19S/22E-04B01 M	245.0	10-02-66	□	143.8	5129
		10-29-66	101.2	143.8	
		11-27-66	99.7	145.3	
		12-26-66	96.4	148.6	
		2-03-67	95.1	149.9	
		2-28-67	93.8	151.2	
		4-02-67	92.1	152.9	
		4-30-67	90.8	154.2	
		6-10-67	93.2	151.8	
		7-01-67	97.2	147.8	
		7-29-67	□	147.9	
		9-02-67	97.1	154.1	
		9-28-67	90.9		
19S/22E-23A01 M	240.0	10-02-66	102.4	137.6	5129
		10-29-66	102.8	137.2	
		11-27-66	100.3	139.7	
		12-26-66	99.5	140.5	
		2-03-67	98.5	141.5	
		2-28-67	98.2	141.8	
		4-02-67	99.9	140.1	

**TABLE C-3(Cont.)
GROUND WATER LEVELS AT WELLS**

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KINGS COUNTY WATER DISTRICT											
5-22-66											
19S/22E-23A01 M CONT.	240.0	4-30-67	96.1	143.9	5129						
		6-04-67	96.9	143.1							
		7-01-67	96.6	143.4							
		7-29-67	97.2	142.8							
		9-03-67	95.1	144.9							
		9-28-67	91.0	149.0							
20S/21E-03A01 M	222.0	10-06-66	19.3	202.7	5001						
		2-15-67	19.3	202.7							
20S/21E-05E01 M	219.0	10-02-66	□	9.9	5129						
		10-29-66	228.9	20.4							
		11-27-66	198.6	23.7							
		12-26-66	195.3	36.9							
		2-03-67	182.1	44.5							
		2-28-67	174.5	48.4							
		4-02-67	170.6	54.3							
		4-30-67	164.7	58.0							
		6-04-67	161.0	61.5							
		7-01-67	157.5	62.7							
		7-30-67	156.3	65.8							
		9-02-67	153.2	69.5							
		9-28-67	149.5								
20S/22E-10H02 M	225.0	10-03-66	211.1	13.9	5129						
		10-29-66	210.6	14.4							
		11-27-66	□	77.0							
		12-26-66	148.0	87.4							
		2-03-67	137.6	90.9							
		2-28-67	134.1	92.6							
		4-02-67	132.4	99.3							
		4-30-67	125.7	100.5							
		6-04-67	124.5	101.1							
		7-01-67	123.9	97.5							
		7-30-67	127.5	98.3							
		9-02-67	126.7	104.7							
		9-26-67	120.3								
PLEASANT VALLEY											
5-22-69											
20S/15E-25D01 M	619.0	2-09-67	211.0	408.0	5050						
20S/15E-32A01 M	675.0	2-10-67	233.5	441.5	5050						

TABLE C-4
GROUND WATER RECHARGE
Amounts Applied in Acre-Feet

GROUND WATER DISTRICTS OR AREAS		SOURCE OF SUPPLY	1964-65			1965-66			1966-67		
NAME	NUMBER		METHOD	AMOUNT	TOTAL	METHOD	AMOUNT	TOTAL	METHOD	AMOUNT	TOTAL
Alpaugh I. D. Western portion of Alpaugh-Allensworth Area.	5-22.34	CVP							c		2,000
Arvin-Edison W. S. D. Eastern portion of the Edison-Maricopa Area.	5-22.41	CVP				a		24,752			
Buena Vista W. S. O.	5-22.42	CVP	n & c		4,687				n c	40,000 70,000	110,000
Chowchilla W. O.	5-22.12	CVP & Chowchilla River	n c a	110,000 10,000 10,000	130,000	n & c		69,914			
Consolidated I. D.	5-22.18	CVP & Kings River	c a	75,000 28,600	103,600				o p	135,000 170,500	305,500
Corcoran I. D.	5-22.46	CVP & Kings River				n c o		83,107	c & a p	61,269 63,887	125,156
Delano-Earlimart I. O.	5-22.35	CVP	n a i	4,283 130 1,563	5,976	n a i	2,020 756 888	3,664	n a i	2,537 947 764	4,248
El Nido I. O.	5-22.10	Mariposa & Deadman Creeks	o		6,744	a c o		2,374	c o p	2,000 10,411 9,673	22,084
Exeter I. D.	5-22.26	CVP & Kaweah River Foothill Ditch Co.	n a	1,317 75	1,392	n		904	n a p	1,124 61 52	1,237
Frasno I. O.	5-22.15	CVP & Kings River	o		166,000	n c a o	142 116,500 2,079 38	118,759	n c a o p	2,873 90,853 3,339 550 181,706	279,321
Ivanhoe I. D.	5-22.23	CVP & Wutchumna Ditch	a & i		2,745	n a p		1,344	n a i	3,001 1,423 951	5,375
Laguna I. D. Northern portion of the Lower Kings River Area.	5-22.20	CVP	o		8,000						
Lakeside I. D. Western portion of the Kaweah Delta W. C. D.	5-22.24	CVP	n c a o	2,084 3,475 1,738 4,286	11,583	n c a	3,000 2,625 1,875	7,500	n c a o	7,703 42,860 11,550 1,100	63,213
Lindmore I. D.	5-22.28	CVP							a		332
Lower Tule I. O.	5-22.30	CVP & Tule River	n & c a o	162,582 11,836 21,621	196,039	n & c a o	88,604 6,560 7,508	102,672	n c a p	122,148 41,492 18,830 25,664	208,134
Madera I. D.	5-22.13	CVP & Fresno River	n c a o	360 19,200 464 2,512	22,536	n c o		35,392	n c a o p	49,562 63,919 2,835 7,809 15,342	139,467
North Kern W. S. D.	5-22.37	Kern River & Poso Creek	c a o	5,355 29,761 7,286	42,402	n a	3,872 19,493	23,365			
Pixley I. O.	5-22.33	CVP & Oeer Creek	n a o		14,700				n		28,147
Porterville I. D.	5-22.29	CVP & Tule River	n c a	20,000 5,000 1,000	26,000	c & a		9,000			
Riverdale I. D. Northwest portion of the Lower Kings River Area.	5-22.20	Kings River							n c p	884 16,875 10,969	28,728
Rosedale-Rio Bravo W. S. D. Northern portion of the Kern River Delta Area.	5-22.40	CVP & Kern River	n & c a	36,141 15,489	51,630	c & a		39,038	n & c a o	35,730 23,820 9,450	69,000
Saucelito I. O.	5-22.32	CVP	n		5,500	n		1,230	n o	2,640 77	2,717
Shafter-Wasco I. D.	5-22.38	CVP							m		50,114
Stone Corral I. D.	5-22.22	CVP	c		2,400						
Tulare I. D.	5-22.25	CVP & Kaweah River							n a o		175,194
Vandalia I. D.	5-22.31	Tule River				o		2,000	a		1,500

Record published as received from districts and agencies.

CVP Central Valley Project
n Natural stream channels
c Canals
a Artificial recharge basins
o Open land spreading
i Injection method
p Other--percolation from irrigation
m No method indicated

APPENDIX D
SURFACE WATER QUALITY

INTRODUCTION

Appendix D summarizes the surface water quality, electrical conductivity, and water temperature data for the San Joaquin Valley for 1967 water year (October 1, 1966, through September 30, 1967). These data were obtained from analyses of water samples from 31 surface water quality sampling stations, seven electrical conductivity recorders and two temperature recorders. Water samples are collected by the Department of Water Resources, the U. S. Corps of Engineers, and Kern County Parks and Recreation. Electrical conductivity and temperature recorders are serviced and maintained by the Department of Water Resources.

Laboratory analyses of surface water samples reported herein were performed in accordance with the 12th Edition of "Standard Methods for the Examination of Water and Waste Water".

Each station in this appendix has been assigned an eight-digit identification number. The first two digits denote the drainage basin as shown below. The third digit indicates the stream and the next three integers designate the relative number of the station on the stream system.

HYDROGRAPHIC AREA B	HYDROGRAPHIC AREA C
SAN JOAQUIN RIVER BASIN	TULARE LAKE DRAINAGE BASIN
B0 - San Joaquin Valley Floor	C0 - Tulare Lake Valley Floor
B3 - Stanislaus River	C1 - Kings River
B4 - Tuolumne River	C2 - Kaweah River
B5 - Merced River	C3 - Tule River
B6 - Fresno-Chowchilla Rivers	C4 - Greenhorn Mountains
B7 - San Joaquin River	C5 - Kern River
B8 - San Joaquin Valley on West Side	C6 - Tehachapi Mountains
	C7 - Tulare Lake Basin on West Side

The last two digits denote the location of the sampling station relative to a gaging station as shown below.

.00 Sampled at gage station
.02 Sampled upstream within one mile of gage station
.98 Sampled downstream within one mile of gage station
.05 Sampled more than one mile from gage station

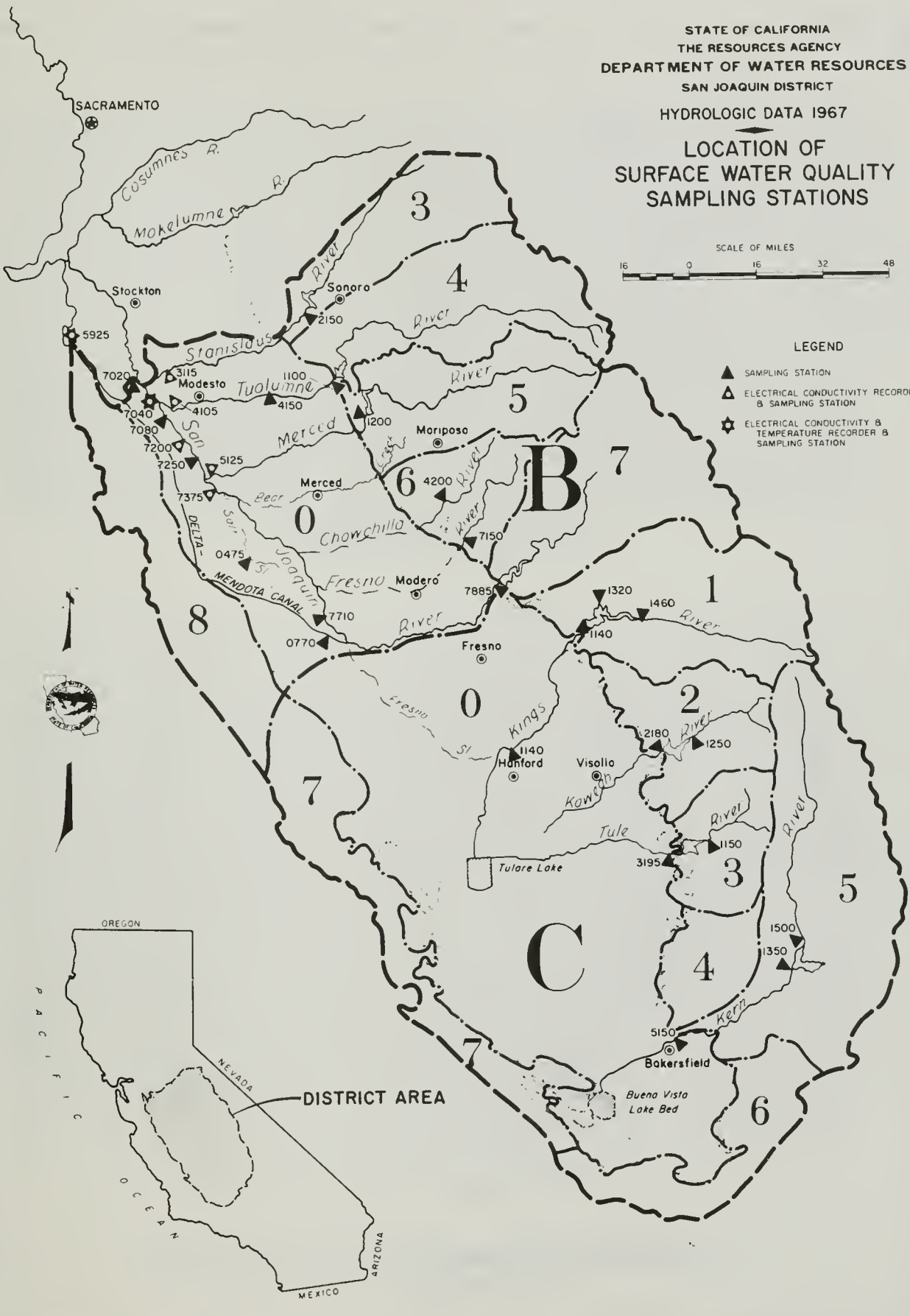
TABLE D-1
SAMPLING STATION DATA AND INDEX
FOR
SURFACE WATER

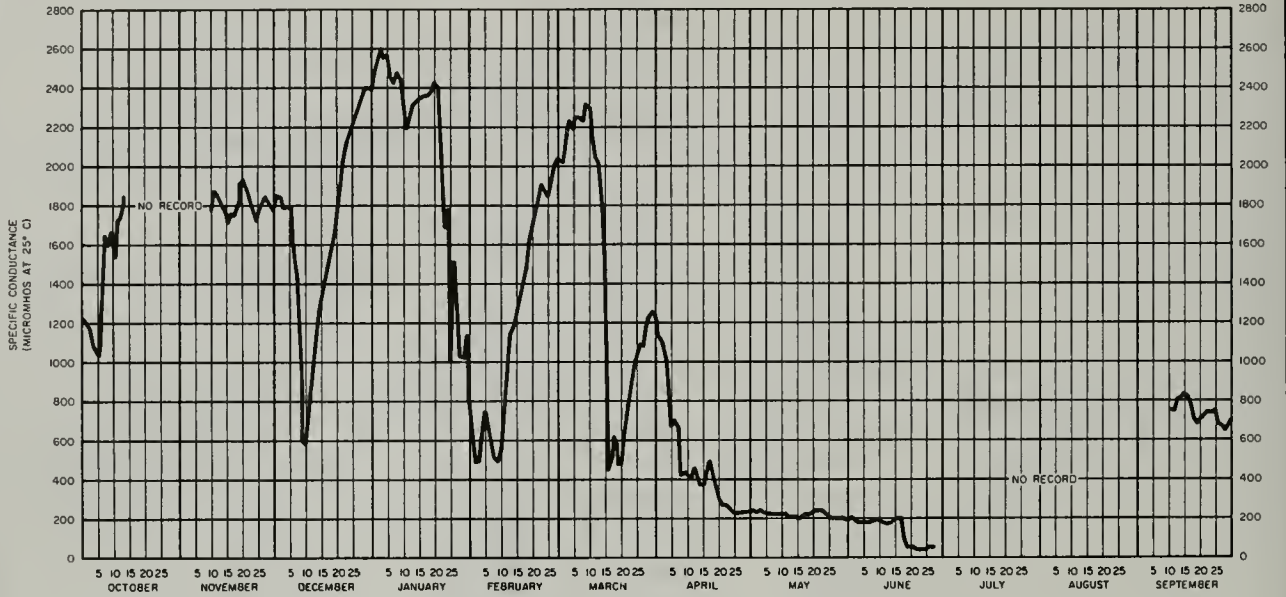
Station	Station Identification Number	Location ^a	Period of Record ^b	Frequency of Sampling ^c	Sampled By ^d	Analysis on Page
Big Creek above Pine Flat Dam (33d)	C11320.00	12S/25E- 4	July 1960	M	USACE	243,277,282
Chowchilla River near Raymond (114)	B64200.00	8G/18E- 1	January 1962	S	DWR	244,276,280
Delta-Mendota Canal near Mendota (92)	B00770.00	13S/15E-19	July 1952	Q	DWR	245,275,279
Delta-Mendota Canal near Tracy (93)	B95925.00	1S/ 4E-30	July 1952	Q	DWR	246,276,281
Fresno River near Daulton (113)	B67150.00	9S/19E-34	January 1958	S	DWR	247,276,280
Kaweah River below Terminus Dam (35)	C02185.00	17S/27E-25	September 1961	M	USACE	248,276,281
Kaweah River at Three Rivers (35b)	C21250.00	17S/28E-27	April 1951	M	USACE	249,277,283
Kern River near Bakersfield (36)	C05150.00	29S/28E- 9	April 1951	Q	KCPR	250,277,282
Kern River below Isabells Dam (36a)	C51350.00	26S/33E-30	September 1955	Q	USACE	251,277,283
Kern River near Kernville (36b)	C51500.00	25S/33E-15	September 1955	Q	USACE	252,277,283
Kings River below North Fork (33c)	C11460.00	12S/26E-21	September 1955	M	USACE	253,277,282
Kings River below Peoples Weir (34)	C01140.00	17S/22E- 1	April 1951	Q	DWR	254,276,281
Kings River below Pine Flat Dam (35b)	C11140.00	13S/24E- 2	September 1955	M	USACE	255,277,282
Merced River above Lake McClure (32b)	B51400.00	3S/18E-36	March 1966	S	DWR	256,276,280
Merced River near Stevinson (32)	B05125.00	6S/ 9E-36	April 1951	S	DWR	257,275,279
Salt Slough at San Luis Ranch (24c)	B00475.00	9S/11E- 7	November 1958	S	DWR	258,275,279
San Joaquin River at Crows Landing Bridge (26b)	B07250.00	6S/ 9E- 7	January 1962	Q	DWR	259,276,280
San Joaquin River at Fremont Ford Bridge (25c)	B07375.00	7S/ 9E-24	July 1955	S	DWR	260,276,280
San Joaquin River at Friant Dam (24)	B07885.00	11S/21E- 7	April 1951	S	DWR	261,276,280
San Joaquin River near Grayson (26)	B07080.00	4S/ 7E-24	April 1959	Q	DWR	262,276,279
San Joaquin River at Maze Road Bridge (26a)	B07040.00	3S/ 7E-33	April 1951	S	DWR	263,275,279
San Joaquin River near Mendota (25)	B07710.00	13S/15E- 7	April 1951	S	DWR	264,276,280
San Joaquin River at Patterson Bridge (27a)	B07200.00	5S/ 8E-15	January 1962	S	DWR	265,276,280
San Joaquin River near Vernalis (27)	B07020.00	3S/ 6E-13	April 1951	M	DWR	266,275,279
Stanislaus River at Koctitz (29)	B03115.00	3S/ 7E- 2	April 1951	S	DWR	267,275,279
Stanislaus River above Melones Reservoir (29b)	B31340.50	2N/14E- 9	March 1966	S	DWR	268,276,280
Tule River near Springville (91b)	C31150.00	21S/29E-15	November 1963	M	USACE	269,277,283
Tule River below Success Dam (91)	C03196.00	21S/28E-35	July 1952	M	USACE	270,276,281
Tuolumne River above Don Pedro Reservoir (31b)	B41265.50	1S/15E-20	March 1966	S	DWR	271,276,280
Tuolumne River at Hickman Bridge (30)	B04150.00	3S/11E-34	April 1951	S	DWR	272,275,279
Tuolumne River at Tuolumne City (31)	B04105.00	4S/ 8E-12	April 1951	S	DWR	273,275,279

a. Locations are in reference to Mt. Diablo Base and Meridian
b. Beginning of record
c. M - Monthly, Q - Quarterly, S - Semiannually
d. DWR - Department of Water Resources, USACE - United States Army Corps of Engineers, KCPR - Kern County Parks and Recreation

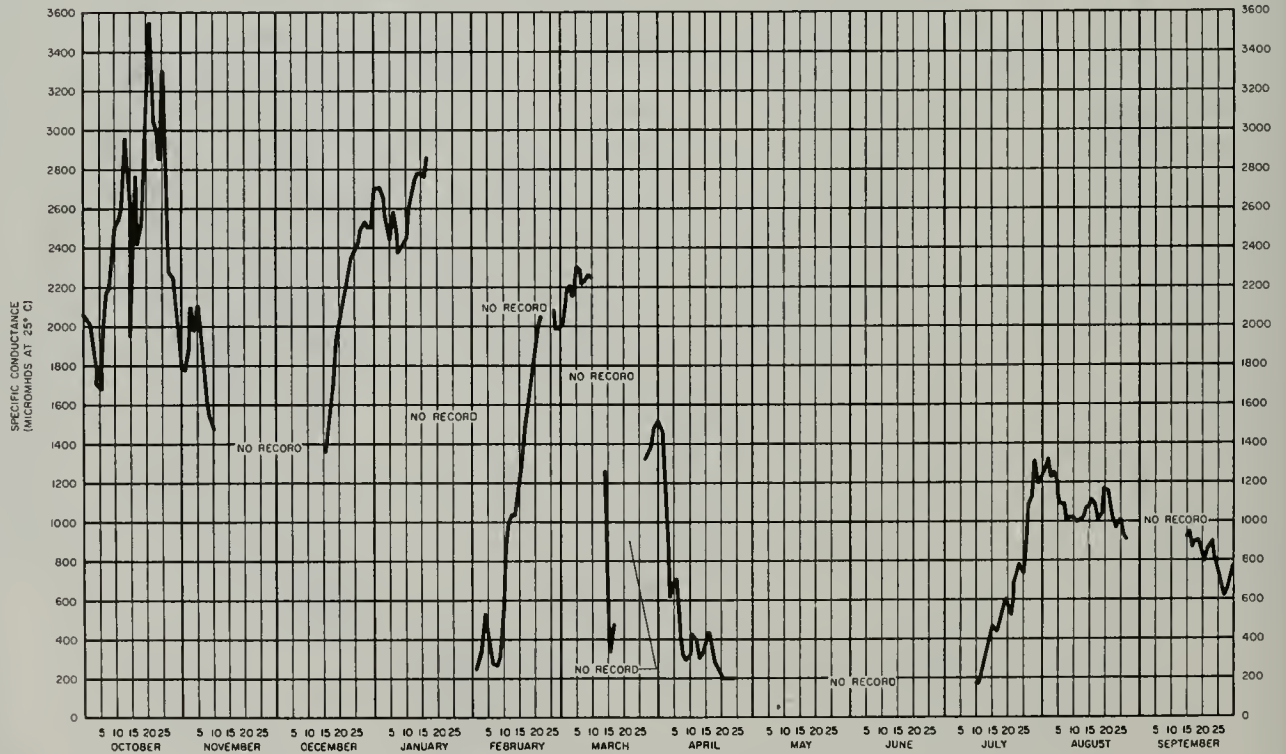
STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 SAN JOAQUIN DISTRICT
 HYDROLOGIC DATA 1967

LOCATION OF
 SURFACE WATER QUALITY
 SAMPLING STATIONS



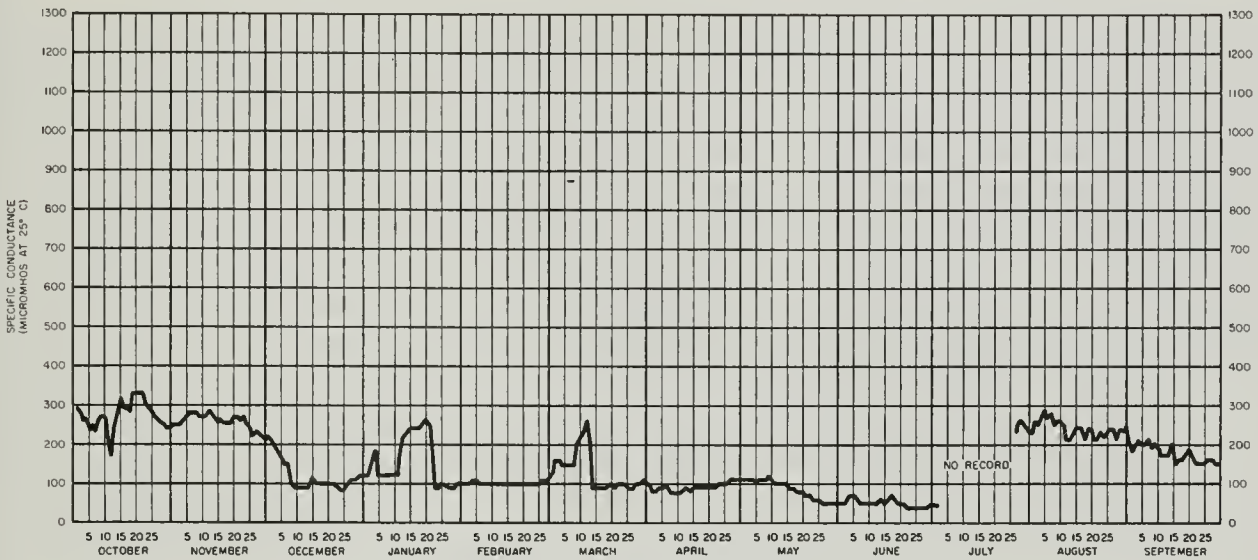


SAN JOAQUIN RIVER AT PATTERSON BRIDGE
STA. No. 7200 RIVER MILE 104.5

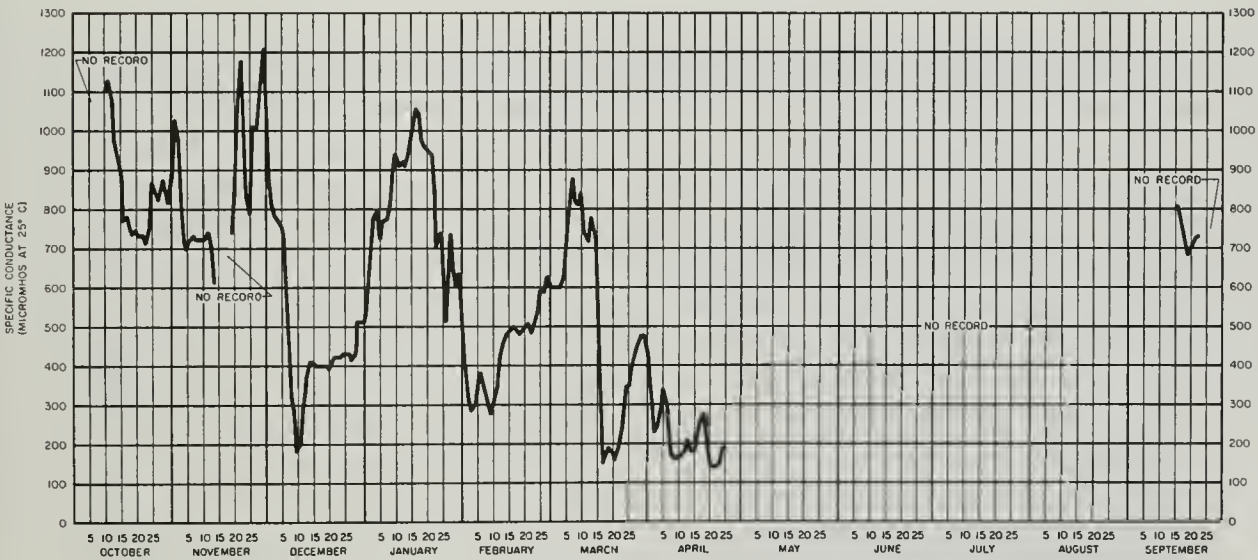


SAN JOAQUIN RIVER AT FREMONT FORD
STA. No. 7375 RIVER MILE 129.5

DAILY MEAN SPECIFIC CONDUCTANCE AT SELECTED STATIONS
SAN JOAQUIN VALLEY
1967

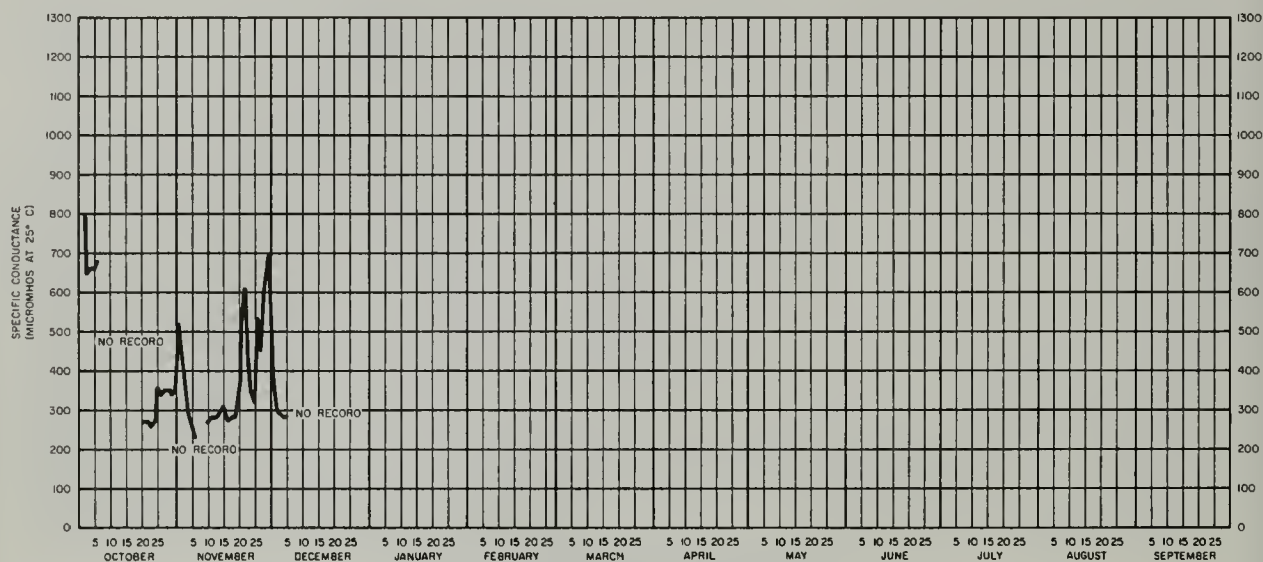


STANISLAUS RIVER AT KOETITZ RANCH
STA. No. 3115 RIVER MILE 9.5



SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE
STA. No. 7040 RIVER MILE 82.9

DAILY MEAN SPECIFIC CONDUCTANCE AT SELECTED STATIONS
SAN JOAQUIN VALLEY
1967

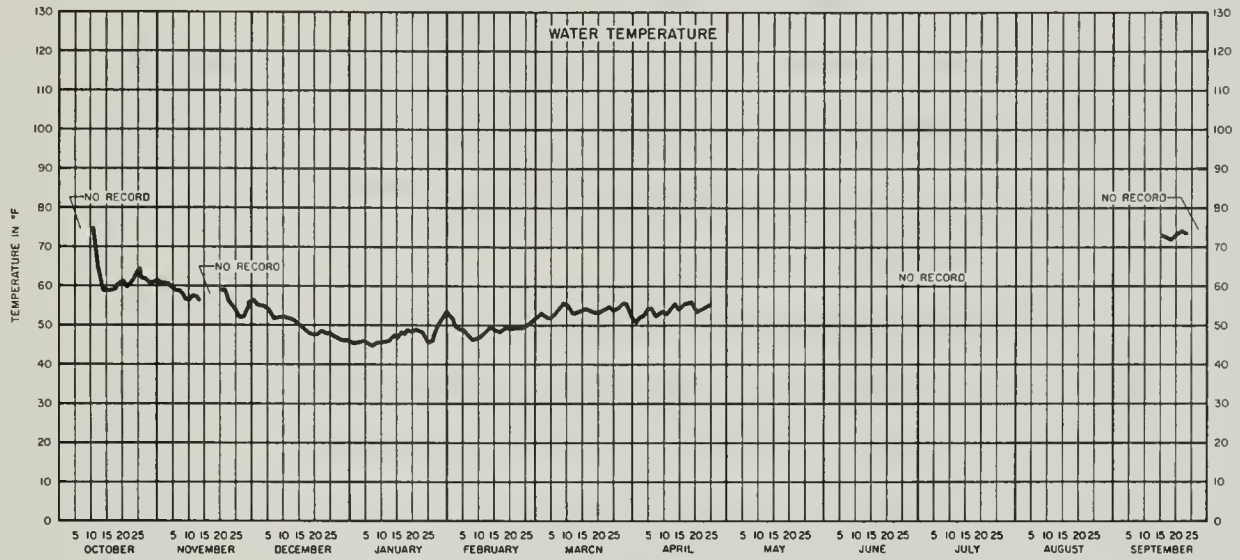


TUOLUMNE RIVER NEAR TUOLUMNE CITY
STA. No. 4105 RIVER MILE 2.9

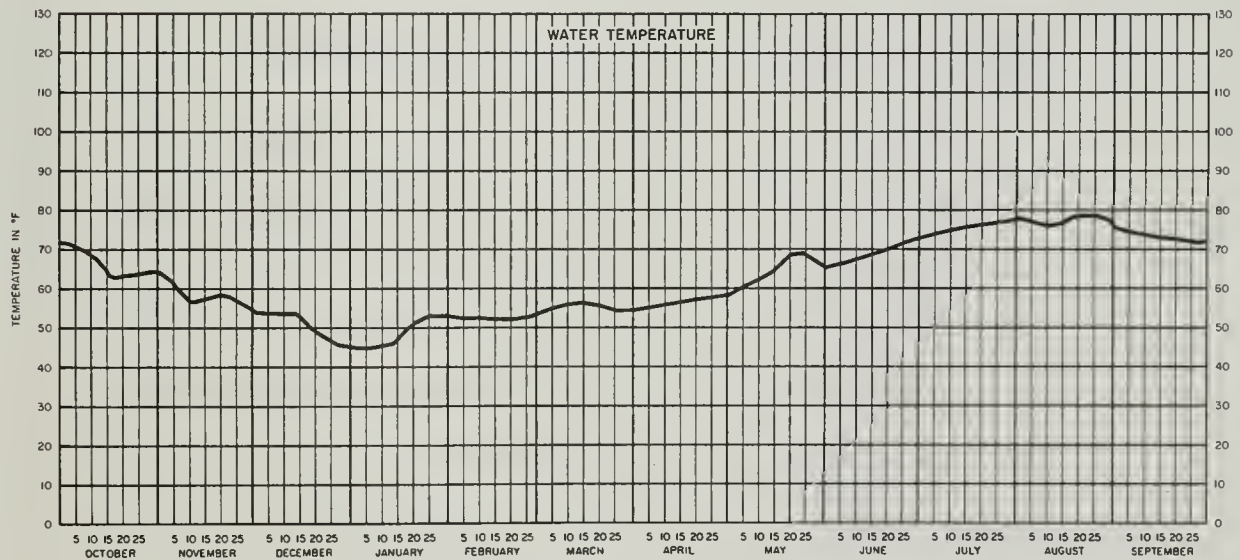


DELTA MENDOTA CANAL NEAR TRACY
STA. No. 5925 CANAL MILE 3.5

DAILY MEAN SPECIFIC CONDUCTANCE AT SELECTED STATIONS
SAN JOAQUIN VALLEY
1967



**SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE
STA. No. 7040 RIVER MILE 82.9**



**DELTA MENDOTA CANAL NEAR TRACY
STA. No. 5925 CANAL MILE 3.5**

**DAILY MEAN TEMPERATURE AT SELECTED STATIONS
SAN JOAQUIN VALLEY
1967**

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

This table presents analyses performed by the Department of Water Resources Bryte Laboratory or the U. S. Geological Survey Laboratory in Sacramento. The U. S. Geological Survey Laboratory is coded as 5000 and Bryte Laboratory as 5050.

The sampler codes are as follows:

5002	U. S. Army Corps of Engineers
5050	Department of Water Resources
5204	City and County of San Francisco
5633	Kern County Parks and Recreation

The following are definitions of chemical symbols and of abbreviations used in this table.

<u>Chemical Symbols</u>		<u>Abbreviations</u>	
B	Boron	DO	Dissolved Oxygen
CA	Calcium	EC	Electrical Conductance
CL	Chloride	FLD	Field Determination
CO3	Carbonate	LAB	Laboratory
F	Fluoride	NCH	Non Carbonate Hardness
HCO3	Bicarbonate	TDS	Total Dissolved Solids
K	Potassium	TEMP	Temperature
MG	Magnesium	TH	Total Hardness
NA	Sodium	SAT	Per Cent Saturation
NO3	Nitrate		
SI02	Silica		
SO4	Sulfate		

TABLE D-2
BIG CREEK ABOVE PINE FLAT DAM
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.M. Q	D.O. SAT	TEMP	PH LAB FLD	FC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER TDS					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	R	SI02	SUM	TH	NCH			
C11320.00 10/10/66 1035			--	7.9	179	16 .80 47	2.9 .24 14	14 .61 35	2.9 .07 4	0.0	0.0	64 1.05 66	4.9 .10 6	16 .45 28	0.0	--	0.1	--	115 88	52 0			
C11320.00 11/14/66 1025	1.19 4.0	10.3	64 F	8.1	159	-- .61	-- .61	14 .61	-- .61	0.0	0.0	61 1.00	-- .42	15 .42	--	--	0.1	--	-- 0	49 0			
C11320.00 12/12/66 1030	2.21 5.4	10.2	65 F	7.6	97	-- .25	-- .25	5.4 .25	-- .25	0.0	0.0	37 .61	-- .09	3.2 .09	--	--	0.0	--	-- 0	25 0			
C11320.00 01/09/67 1010	1.70 15.0	13.5	34 F	7.8	97	-- .70	-- .70	6.6 .70	-- .70	0.0	0.0	46 .75	-- .14	4.9 .14	--	--	0.0	--	-- 0	32 0			
C11320.00 02/13/67 1020	2.35 30.0	10.1	44 F	7.6	85	-- .27	-- .27	6.3 .27	-- .27	0.0	0.0	39 .64	-- .08	2.9 .08	--	--	0.0	--	-- 0	26 0			
C11320.00 03/13/67 1205			--	7.7	56	-- .16	-- .16	3.7 .16	-- .16	0.0	0.0	29 .48	-- .05	1.9 .05	--	--	0.0	--	-- 0	19 0			
C11320.00 04/10/67 1215	3.12 26.5	10.1	44 F	7.5	97	-- .25	-- .25	5.2 .25	-- .25	0.0	0.0	42 .69	-- .07	2.6 .07	--	--	0.0	--	-- 0	29 0			
C11320.00 05/08/67 1030	3.49 323.0	10.1	52 F	7.5	64	7.2 .36 60	0.5 .04 7	3.4 .17 24	1.2 .03 5	0.0	0.0	34 .56 89	1.5 .03 5	0.3 .01 2	1.9 .03 5	--	0.0	--	40 33	20 0			
C11320.00 06/12/67 1010	2.67 120.0	10.0	54 F	7.5 7.5	68	-- .14	-- .14	4.2 .14	-- .14	0.0	0.0	36 .59	-- .06	2.2 .06	--	--	0.0	--	-- 0	22 0			
C11320.00 07/10/67 1030	2.00 63.0	9.5	69 F	7.9	86	-- .24	-- .24	5.6 .24	-- .24	0.0	0.0	44 .72	-- .11	3.8 .11	--	--	--	--	-- 0	24 0			
C11320.00 09/11/67 1100	1.38 17.0	12.0	69 F	7.5	108	9.6 .48 45	1.9 .16 15	8.9 .39 35	1.5 .04 4	0.0	0.0	51 .84 82	0.0 .16 16	5.7 .16 16	1.3 .02	--	0.1	--	90 54	32 0			

TABLE D-2 (cont.)
 CHOWCHILLA RIVER NEAR RAYMOND
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	LAB SAMPLE#	G.H. Q	DO SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER				MILLIGRAMS PER LITER			
							CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	B	SI02	TDS SUM	TH NCH	
R64200.00		71.33	9.0	67 F	7.6 7.7	118	13 .65 58	1.3 .11 10	7.8 .34 30	1.3 .03 3	0.0	59 .97 89	0.2	3.9 .11 10	0.8 .01 1	--	0.0	--	88 57	38 0	
05/14/67 0935	5050 5050																				
R64200.00		67.79	9.8	67 F	7.6 7.7	339	26 1.30 40	6.4 .53 16	30 1.31 41	3.2 .08 2	0.0	108 1.77 54	0.0	52 1.47 45	0.8 .01	--	0.1	--	208 171	92 4	
09/12/67 0745	5050 5050																				

TABLE D-2 (cont.)

DELTA-MENDOTA CANAL NEAR MENDOTA
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	DO SAT	TEMP	PH LAB FLD	PC LAB FLD	MILLIGRAMS PER LITER										TDS SUM	TH NCH	
						CA	MG	NA	K	CD3	HC03	SO4	CL	NO3	F			H
R00770.00 10/10/66 1015	5050 5050	7.3	70 F	8.1 7.4	444	--	--	43	--	0.0	107	--	55	--	0.2	--	--	107 20
R00770.00 11/16/66 1200	5050 5050	9.4	59 F	8.2 7.8	811	34 1.90	20 1.64	92 4.00	--	0.0	131 2.15	--	133 3.75	--	0.4	--	--	177 70
R00770.00 12/12/66 1510	5050 5050	10.3	55 F	8.0 8.0	903	--	--	99 4.31	--	0.0	134 2.20	--	139 3.92	--	0.5	--	--	187 77
R00770.00 01/19/67 1450	5050 5050	18.3	47 F	8.0 8.4	1220	--	--	135 5.87	--	0.0	150 2.46	--	168 4.74	--	0.6	--	--	256 133
R00770.00 02/20/67 1450	5050 5050	9.4	54 F	7.7 7.5	605	--	--	66 2.87	--	0.0	87 1.43	--	81 2.28	--	0.4	--	--	143 72
R00770.00 03/16/67 1455	5050 5050	10.0	58 F	8.1 7.6	761	--	--	80 3.49	--	0.0	93 1.53	--	105 2.96	--	0.5	--	--	169 93
R00770.00 04/25/67 1330	5050 5050	11.4	65 F	8.1 8.4	326	--	--	31 1.35	--	0.0	59 .97	--	39 1.10	--	0.2	--	--	80 32
R00770.00 05/08/67 0850	5050 5050	15.1	74 F	7.5 8.4	328	22 1.10 34	4.4 .36 12	32 1.39 44	1.6 .04 1	0.0	59 .97 31	40 .83 27	38 1.07 34	15 .24 8	0.2	--	190 182	73 25
R00770.00 06/08/67 1300	5050 5050	9.9	--	7.2 8.4	475	--	--	47 2.04	--	0.0	69 1.13	--	48 1.35	--	0.3	--	--	110 54
R00770.00 07/07/67 1030	5050 5050	7.6	79 F	6.1 7.6	47	--	--	2.2 .10	--	0.0	25 .41	--	2.2 .06	--	0.0	--	--	17 0
R00770.00 09/14/67 1310	5050 5050	9.4	7.6F	7.7 7.8	335	17 .85 26	10 .82 26	34 1.48 46	2.2 .06 2	0.0	78 1.28 41	35 .73 23	39 1.10 35	1.2 .02 1	0.2	--	198 177	84 20

TABLE D-2 (cont.)
 DELTA-MENDOTA CANAL NEAR TRACY
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.M. Q	DO SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	SI02	TDS SUM	TH NCH				
R95925.00 10/05/66 0815	1704.0		68 F	8.1 8.1	921	--	--	103 4.4R	--	0.0	169 2.77	--	148 4.17	--	0.3	--	--	185 47					
R95925.00 11/10/66 1000	840.0	9.8	58 F	7.8 7.9	1050 1000	54	23	119 5.1H	--	0.0	166 2.72	--	179 5.05	--	0.6	--	--	229 93					
R95925.00 12/06/66 1555	4351.0	7.5	54 F	7.7 7.3	1090 1108	--	--	124 5.39	--	0.0	170 2.79	--	174 4.91	--	0.6	--	--	228 89					
R95925.00 01/03/67 1605		10.3	45 F	7.7 7.3	745	--	--	7H 3.39	--	0.0	101 1.66	--	108 3.05	--	0.5	--	--	160 77					
R95925.00 02/02/67 1020		8.3	53 F	8.2 7.2	696 650	--	--	80 3.4R	--	0.0	96 1.57	--	101 2.85	--	0.5	--	--	149 71					
R95925.00 03/02/67 0925		10.4	54 F	7.9 7.6	760	--	--	80 3.4R	--	0.0	108 1.77	--	109 3.07	--	0.5	--	--	171 83					
R95925.00 04/04/67 1545			51 F	7.8 7.2	290	--	--	12 .52	--	0.0	54 .89	--	15 .42	--	0.2	--	--	71 27					
R95925.00 05/03/67 1145		8.1	54 F	8.1	198	16	4.1	15	1.5	0.0	63	13	18	0.9	0.1	--	144 99	57 6					
R95925.00 06/05/67 1330		8.7	--	7.1 7.1	195	--	--	17 .74	--	0.0	47 .77	--	23 .65	--	0.1	--	--	50 12					
R95925.00 07/06/67 0830		8.2	71 F	7.3 7.1	116	--	--	8.3 .34	--	0.0	31 .51	--	12 .34	--	0.1	--	--	28 3					
R95925.00 09/11/67 1210		9.3	74 F	7.7 8.4	838 670	40	2.00	21 1.73	4.2	0.0	145 2.38	85	125	3.7	0.4	--	478 442	187 68					
						26	22	51	.11		31	23	46	.06									

TABLE D-2 (cont.)

FRESNO RIVER NEAR DAULTON

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. 0	DJ SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER						MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	SI02	TDS SUM	TH	NCH
R67150.00 05/17/67 0855		5.8	66 F	7.9 7.6	100	11 .55 56	1.3 .11 11	6.4 .24 30	1.3 .03 3	0.0	50 .82 85	1.6 .03 3	3.2 .09 9	2.1 .03 3	--	0.0	--	82 52	33 0	
R67150.00 09/12/67 0845		10.0	69 F	7.6 7.6	207	14 .70 37	2.7 .22 12	21 .91 48	2.2 .06 3	0.0	51 .84 46	2.3 .05 3	32 .90 49	3.0 .05 3	--	0.0	--	127 102	46 4	

TABLE D-2 (cont.)
 KAWAHAH RIVER BELOW TERMINUS DAM
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. 0	DO SAT	TEMP F	PH LAR FID	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH		
							CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	H	SI02	CO3	HCO3	SO4			CL	N03
C021A5.00 10/17/66 0745	5050 5002	2.40	9.0	65 F	7.8	126	--	--	5.2 .23	--	0.0	63 1.03	--	5.9 .17	--	0.0	--	5.9 .17	--	0.0	--	--	--	--	59 8
C021A5.00 11/17/66 0900	5050 5002	3.00	9.4	62 F	7.5	139	--	--	7.5 .33	--	0.0	65 1.07	--	6.9 .19	--	0.0	--	6.9 .19	--	0.0	--	--	--	--	48 0
C021A5.00 12/12/66 0815	5050 5002	4.00	11.0	50 F	6.5	65	--	--	3.4 .15	--	0.0	17 .28	--	2.8 .08	--	0.0	--	2.8 .08	--	0.0	--	--	--	--	20 6
C021A5.00 01/09/67 0800	5050 5002	2.92	12.1	40 F	7.0	73	--	--	5.8 .25	--	0.0	30 .49	--	2.3 .06	--	0.0	--	2.3 .06	--	0.0	--	--	--	--	28 4
C021A5.00 02/06/67 0800	5050 5002	2.92	11.0	46 F	7.1	97	--	--	3.4 .17	--	0.0	51 .84	--	2.4 .07	--	0.0	--	2.4 .07	--	0.0	--	--	--	--	39 0
C021A5.00 03/09/67 0900	5050 5002	2.39 509.0	10.5	50 F	7.2	82	--	--	4.0 .17	--	0.0	42 .69	--	2.0 .06	--	0.0	--	2.0 .06	--	0.0	--	--	--	--	31 0
C021A5.00 04/12/67 1030	5050 5002	1492.0	9.0	54 F	7.4	87	--	--	4.2 .14	--	0.0	43 .71	--	2.1 .06	--	0.0	--	2.1 .06	--	0.0	--	--	--	--	32 0
C021A5.00 05/16/67 0815	5050 5002	6.89	11.0	55 F	7.8	94	12	0.7 .60 63	3.9 .17 20	1.7 .04 5	0.0	47 .77 87	3.3 .07 8	1.4 .04 4	0.7 .01 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64 47 0	33 0
C021A5.00 06/15/67 1000	5050 5002	5.81 1755.0	10.0	57 F	7.1	66	--	--	2.2 .10	--	0.0	32 .52	--	2.1 .06	--	0.0	--	2.1 .06	--	0.0	--	--	--	--	25 0
C021A5.00 07/00/67	5050 5002	5.99 1959.0	10.5	--	7.3	36	--	--	1.5 .07	--	0.0	16 .26	--	0.9 .03	--	0.0	--	0.9 .03	--	0.0	--	--	--	--	14 1
C021A5.00 08/02/67	5050 5002	5.51 1950.0	10.5	--	6.9	40	--	--	2.4 .10	--	0.0	23 .38	--	1.0 .03	--	0.0	--	1.0 .03	--	0.0	--	--	--	--	20 1
C021A5.00 09/11/67 1000	5050 5002	2.15 735.0	9.6	63 F	7.8	71	9.5 .47 64	1.2 .10 14	2.9 .13 18	1.2 .03 4	0.0	36 .59 87	1.6 .03 4	1.7 .05 7	0.5 .01 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26 36 0	28 0

KAWEAH RIVER AT THREE RIVERS
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	LAH SAMPLER	G.H. Q	DO SAT	TEMP F	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER							MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HC03	S04	CL	NO3	F	B	SI02	TDS SUM	TH NCH
C21250.00 10/17/66 0930	S050 5002	23.0	11.0	57 F	8.2	155	--	--	8.0	--	0.0	73	--	13	--	0.0	--	--	61	
									.35		1.20		.37						1	
C21250.00 11/17/66	S050 5002	46.7	10.4	58 F	8.2	144	--	--	7.5	--	0.0	74	--	11	--	0.1	--	--	60	
									.33		1.21		.31						0	
C21250.00 12/17/66 0930	S050 5002		11.5	46 F	7.3	77	--	--	3.0	--	0.0	35	--	1.9	--	0.1	--	--	28	
									.13		.57		.05						0	
C21250.00 01/09/67 0930	S050 5002	2.92	13.4	38 F	7.7	92	--	--	3.5	--	0.0	47	--	2.9	--	0.0	--	--	40	
									.15		.77		.08						2	
C21250.00 02/04/67 0920	S050 5002		11.5	45 F	7.6	90	--	--	3.6	--	0.0	46	--	2.2	--	0.0	--	--	32	
									.16		.75		.06						0	
C21250.00 03/09/67 1100	S050 5002	2.39 458.0	10.3	49 F	7.4	92	--	--	4.1	--	0.0	49	--	2.0	--	0.0	--	--	35	
									.18		.80		.06						0	
C21250.00 04/10/67 1100	S050 5002	1492.0	10.5	51 F	7.5	95	--	--	4.7	--	0.0	46	--	2.2	--	0.0	--	--	36	
									.20		.75		.06						0	
C21250.00 05/16/67 1030	S050 5002	6.89 2200.0	10.5	53 F	7.7	61	8.4	0.0	2.0	0.6	0.0	29	2.5	0.0	0.6	0.0	0.0	52		
							.42		.09	.02		.48	.05		.01			28		
							79		17	4		89	9		2					
C21250.00 06/15/67 0900	S050 5002	6.70 2220.0	9.0	53 F	7.2	38	--	--	1.6	--	0.0	19	--	1.4	--	0.1	--	--		
									.07		.31		.04							
C21250.00 07/00/67	S050 5002	5.51 1053.0	9.5	--	7.4	39	--	--	1.6	--	0.0	20	--	0.8	--	0.0	--	--		
									.07		.33		.02							
C21250.00 08/13/67	S050 5002		--	--	7.0	95	--	--	3.6	--	0.0	49	--	2.1	--	0.0	--	--		
									.16		.80		.06							
C21250.00 09/11/67	S050 5002	3.04 148.0	9.4	65 F	7.4	94	12	1.5	4.4	1.2	0.0	47	2.3	2.9	0.8	0.0	0.0	43		
							.60	.12	.19	.03		.77	.05	.08	.01			48		
							64	13	20	3		85	5	9	1					

TABLE D-2 (cont.)

KERN RIVER NEAR BAKERSFIELD
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	D.J. SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TH NCH
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM		
C05150.00 10/04/66 0830 5050 5633	49.30		66 F	8.0	162	--	--	15 .65	--	0.0	74 1.21	--	6.9 .19	--	0.1	--	--	50 0		
C05150.00 11/22/66 0830 5050 5633	49.46		54 F	8.0	180	--	--	17 .74	--	0.0	79 1.30	--	7.5 .21	--	0.2	--	--	60 0		
C05150.00 12/12/66 1515 5050 5633	49.49		49 F	7.5	163	17 .85	2.8 .23	11 .48	--	0.0	66 1.08	--	4.0 .11	--	0.1	--	--	54 0		
C05150.00 01/03/67 0800 5050 5633	50.39		43 F	7.3	106	12 .60 53	2.2 .18 16	6.6 .29 25	2.7 .07 6	0.0	46 .75 78	4.4 .09 9	2.6 .07 7	2.8 .05 5	0.1	--	52 56	39 2		
C05150.00 01/31/67 0830 5050 5633	50.00		46 F	7.4	138	--	--	9.4 .43	--	0.0	62 1.02	--	4.5 .13	--	0.0	--	--	45 0		
C05150.00 03/01/67 0830 5050 5633	49.70		46 F	7.7	138	--	--	10 .44	--	0.0	63 1.03	--	4.8 .14	--	0.1	--	--	42 0		
C05150.00 04/12/67 1500 5050 5633	49.55		52 F	7.7	153	--	--	12 .52	--	0.0	70 1.15	--	5.4 .15	--	0.1	--	--	50 0		
C05150.00 05/10/67 0900 5050 5633	51.20		52 F	7.7	144	16 .80 57	1.4 .12 9	10 .44 31	1.9 .05 4	0.0	67 1.10 80	7.1 .15 11	3.4 .10 7	1.8 .03 2	0.1	--	125 75	46 0		
C05150.00 06/15/67 1300 5050 5633	50.59		64 F	7.0	99	--	--	6.2 .27	--	0.0	44 .72	--	3.6 .10	--	0.1	--	--	32 0		
C05150.00 07/25/67 1000 5050 5633	50.19		62 F	7.3	69	--	--	4.4 .21	--	0.0	32 .52	--	1.8 .05	--	0.0	--	--	24 0		
C05150.00 09/26/67 0945 5050 5633	50.19		68 F	7.4	99	10 .50 51	1.6 .13 13	7.4 .32 32	1.5 .04 4	0.0	48 .79 81	5.1 .11 11	2.8 .08 8	0.2	0.1	--	66 52	32 0		

TABLE D-2 (cont.)

KERN RIVER BELOW ISABELLA DAM
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	DO SAT	TEMP F	PH FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HC03	S04	CL	N03	F	B	S102	IDS SUM	TH NCH	
C51350.00 10/03/66 1420	170.0	9.5	68 F	8.0	144	16	1.0	12	1.5	0.0	66	6.2	4.3	0.7	--	0.2	--	87	44	
						.80	.08	.52	.04		1.08	.13	.12	.01				74	0	
						56	6	36	3		.81	10	9	1						
C51350.00 01/04/67 1300	2718.0	10.5	43 F	7.4	100	11	1.6	6.2	2.6	0.0	46	8.6	2.4	2.3	--	0.1	--	70	34	
						.55	.13	.27	.07		.75	.18	.07	.04				57	0	
						54	13	26	7		.72	17	7	4						
C51350.00 05/11/67 0945	2574.0	10.2	51 F	7.8	137	14	1.7	11	1.7	0.0	66	5.9	3.1	1.5	--	0.1	--	121	42	
						.70	.14	.48	.04		1.08	.12	.09	.02				71	0	
						51	10	35	3		.82	9	7	2						
C51350.00 07/25/67 0940	2500.0	9.1	62 F	7.6	65	--	--	4.8	--	0.0	32	--	1.7	--	--	0.0	--	--	25	
											.52		.05						0	
C51350.00 09/00/67 5050	1595.0	8.3	69 F	7.0	96	10	1.7	7.1	1.6	0.0	46	4.4	2.8	0.5	--	0.1	--	65	32	
						.50	.14	.31	.04		.75	.09	.08	.01				51	0	
						51	14	31	4		.81	10	9	1						

TABLE D-2 (cont.)
 KERN RIVER NEAR KERNVILLE
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	DO SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TH NCH
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM		
C51500.00 10/03/66 1400	3.80 128.0	9.4	67 F	8.1	172	15 .75 45	1.4 .12 7	17 .74 45	2.0 .05 3	0.0	74 1.21 74	10 .21 13	7.2 .20 12	0.6 .01 1	--	0.2	--	--	114 90	44 0
C51500.00 01/04/67 1330		11.0	37 F	7.9	118	--	--	9.4 .41	--	0.0	57 .93	--	3.5 .10	--	--	0.0	--	--	--	36 0
C51500.00 05/11/67 0930		10.7	66 F	7.5	83	9.0 .45 55	1.1 .09 11	6.2 .27 33	0.5 .01 1	0.0	42 .69 86	3.1 .06 8	1.3 .04 5	0.5 .01 1	--	0.0	--	--	49 42	27 0
C51500.00 07/25/67 0930	6.83 2536.0	9.0	62 F	7.3	45	--	--	3.2 .14	--	0.0	20 .33	--	1.1 .03	--	--	0.0	--	--	--	13 0
C51500.00 09/00/67 0130	4.74 680.0	9.2	58 F	7.4	89	8.6 .43 44	1.5 .12 13	7.2 .31 35	1.0 .03 3	0.0	40 .66 80	3.4 .07 8	2.6 .07 8	1.7 .03 4	--	0.1	--	--	72 46	28 0

TABLE D-2 (cont.)

KINGS RIVER BELOW NORTH FORK

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. 0	DO SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUF						TDS SUM	TH NCH
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	N03	F	R	S102		
C11460.00 10/10/65 1140	2.40 154.0	7.5 10.2	64 F 54 F	7.3 7.6	57 66	5.6 .28 54	1.0 .08 15	3.2 .14 27	0.9 .02 4	0.0 0.0	2.3 .38 84	1.0 .02 4	1.8 .05 11	0.3	--	0.0	--	44 25	18 0
C11460.00 11/14/66 1125	2.52 164.0	10.2	54 F	7.6	66	--	--	4.3 .19	--	0.0	25 .41	--	2.6 .07	--	--	0.1	--	--	21 1
C11460.00 12/12/66 1130	5.05 165.0	10.2	45 F	7.2	48	--	--	2.3 .10	--	0.0	20 .33	--	1.0 .03	--	--	0.0	--	--	20 4
C11460.00 01/09/67 1110	3.45 525.0	13.3	34 F	7.2	85	--	--	9.4 .41	--	0.0	23 .38	--	2.2 .06	--	--	0.1	--	--	18 0
C11460.00 02/13/67 1020	4.63 1520.0	10.2	48 F	7.6	54	--	--	3.5 .15	--	0.0	24 .39	--	1.5 .04	--	--	0.0	--	--	17 0
C11460.00 03/13/67 1120	--	--	--	8.2	62	--	--	3.1 .13	--	0.0	28 .46	--	2.4 .07	--	--	0.0	--	--	20 0
C11460.00 04/10/67 1130	5.23 2176.0	10.2	47 F	7.3	64	--	--	3.7 .16	--	0.0	29 .48	--	1.7 .05	--	--	0.1	--	--	22 0
C11460.00 05/08/67 1130	6.36 3656.0	10.1	52 F	7.4	45	5.6 .28 65	0.5 .04 9	2.2 .10 23	0.5 .01 2	0.0	21 .34 87	1.8 .04 10	0.0	0.4 .01 3	--	0.0	--	22 21	16 0
C11460.00 06/12/67 1120	9.50 10580.0	11.0	51 F	7.0	21	--	--	1.2 .05	--	0.0	11 .18	--	1.2 .03	--	--	0.1	--	--	7 0
C11460.00 07/10/67 1125	9.90 10050.0	10.1	56 F	7.0	18	--	--	1.2 .05	--	0.0	7.9 .13	--	1.3 .04	--	--	--	--	--	8 2
C11460.00 09/11/67 1145	3.93 940.0	10.0	63 F	7.0	34	3.7 .18 53	0.4 .03 10	2.0 .09 29	0.3 .01 3	0.0	16 .26 87	0.3 .01 3	1.1 .03 10	0.1	--	0.1	--	30 16	10 0

TABLE D-2 (cont.)

KINGS RIVER BELOW PEOPLES WEIR
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	DO SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER TDS					
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	N03	F	B	SI02	SUM	TH	NCH			
C01140.00 10/10/66 1345	3.13	9.3	71 F	7.7 7.2	69	--	--	3.6 .16	--	0.0	36 .59	--	2.0 .06	--	0.0	--	0.0	--	--	--	28 0		
C01140.00 11/14/66 1455	2.47	10.0	59 F	7.9 7.4	163	16	4.4 .80	1.0 .44	--	0.0	80 1.31	--	5.9 .17	--	0.0	--	0.0	--	--	--	58 0		
C01140.00 12/12/66 1215		10.6	52 F	7.4 7.3	208	--	--	12 .52	--	0.0	79 1.30	--	4.2 .23	--	0.0	--	0.1	--	--	--	69 4		
C01140.00 01/09/67 1425	2.50	12.5	46 F	7.8 7.6	191	--	--	9.4 .43	--	0.0	89 1.46	--	5.9 .17	--	0.0	--	0.0	--	--	--	80 7		
C01140.00 02/20/67 1100		11.6	50 F	8.1 7.2	64	--	--	4.0 .17	--	0.0	28 .46	--	3.1 .09	--	0.0	--	0.0	--	--	--	20 0		
C01140.00 03/13/67 1510			--	8.2	68	--	--	3.6 .16	--	0.0	32 .52	--	2.2 .06	--	0.0	--	0.0	--	--	--	26 0		
C01140.00 04/10/67 1415	3.24	10.0	56 F	7.6 7.4	119	--	--	6.2 .27	--	0.0	56 .92	--	3.8 .11	--	0.0	--	0.0	--	--	--	45 0		
C01140.00 05/08/67 1200	13.43	12.7	54 F	7.5 7.2	56	6.4 .32 64	0.7 .06 12	2.2 .10 20	0.9 .02 4	0.0	26 .43 80	0.6 .02 11	3.0 .06 11	2.0 .03 5	--	0.0	--	--	--	--	19 0		
C01140.00 06/12/67 1310	11.94	10.4	--	7.0 7.3	54	--	--	2.5 .11	--	0.0	24 .39	--	1.9 .05	--	0.0	--	0.1	--	--	--	20 1		
C01140.00 07/10/67 1400	12.65	9.4	65 F	6.7 7.3	77	--	--	1.2 .05	--	0.0	11 .18	--	1.2 .03	--	0.0	--	--	--	--	--	8 0		
C01140.00 09/15/67 1405	6.98	10.4	62 F	6.7 7.0	43	4.0 .20 49	1.0 .08 20	2.5 .11 27	0.9 .02 5	0.0	20 .33 77	0.6 .04 9	2.1 .05 12	0.6 .01 2	--	0.0	--	--	--	--	34 23		

TABLE D-2 (cont.)

KINGS RIVER BELOW PINE FLAT DAM

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. 0	DO SAT	TEMP F	PH FLD	EC FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TH NCH
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM		
C11140.00 10/10/66 1350	2.67 451.0	9.5	70 F	6.9	40	2.9 .14 42	1.0 .08 24	2.0 .09 27	0.7 .02 6	0.0	14 .23 92	0.0	0.1	1.2 .02 8	--	0.1	--	31 15	11 0	
C11140.00 11/14/66 1335	2.48 72.0	10.1	62 F	7.2	35	--	--	1.9 .04	--	0.0	15 .25	--	0.0	--	--	0.1	--	--	15 3	
C11140.00 12/12/66 1325	2.92 72.0	10.1	50 F	7.0	50	--	--	2.7 .12	--	0.0	22 .36	--	0.3 .01	--	0.0	--	--	--	21 3	
C11140.00 01/09/67 1310	1.45 213.0	12.5	34 F	7.2	39	--	--	1.3 .04	--	0.0	18 .30	--	1.6 .05	--	0.1	--	--	--	15 0	
C11140.00 02/13/67 1320	1.38 145.0	10.3	52 F	7.5	39	--	--	2.2 .10	--	0.0	18 .30	--	1.3 .04	--	0.0	--	--	--	14 0	
C11140.00 03/13/67 1340	--	--	--	8.5	50	--	--	2.3 .10	--	2.0 .07	17 .28	--	1.4 .04	--	0.0	--	--	--	15 0	
C11140.00 04/10/67 1400	3.15 650.0	10.2	47 F	7.6	48	--	--	2.6 .11	--	0.0	20 .33	--	1.4 .04	--	0.0	--	--	--	18 2	
C11140.00 05/08/67 1330	7.79 779.7	10.2	49 F	7.6	48	7.4 .37 77	0.0	2.0 .04 19	0.6 .02 4	0.0	23 .38 88	1.8 .04 9	0.0	0.8 .01 2	--	0.0	--	29 24	16 0	
C11140.00 06/12/67 0830	3.27 9120.0	10.1	49 F	7.3 7.3	47	--	--	2.4 .10	--	0.0	22 .36	--	1.6 .05	--	0.1	--	--	--	17 0	
C11140.00 07/10/67 1305	3.50 9405.0	10.1	50 F	6.9	20	--	--	1.4 .06	--	0.0	9.2 .15	--	1.2 .03	--	--	--	--	--	8 1	
C11140.00 09/11/67 0930	5.99 3732.0	10.1	53 F	6.9	26	2.7 .14 50	0.5 .04 15	1.6 .07 27	0.6 .02 8	0.0	12 .20 87	0.0	0.8 .02 9	0.5 .01 4	--	0.1	--	30 13	8 1	

TABLE D-2 (cont.)
 MERCED RIVER ABOVE LAKE MCCLURE
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. O	DO SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
R51400.00 01/06/67 1405	4.35	13.3	38 F	7.0 7.0	41	--	--	2.0 .09	--	0.0	18 .30	--	2.6 .07	--	0.0	--	--	--	15 0	
R51400.00 05/05/67 1300	6.45	11.2	49 F	7.3	46	5.4 .27 69	0.4 .03 8	1.8 .08 21	0.2 .01 3	0.0	20 .33 89	0.3	0.5 .01 8	0.3	0.0	--	--	23 20	15 0	

TABLE D-2 (cont.)

MERCED RIVER NEAR STEVINSON

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	O ₂ SAT	TEMP F	PH FLD	FC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE						TDS SUM	TH NCH
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	N03	F	H	SI02		
R05125.00 05/03/67 0900	66.79	10.3	52 F	7.5	70	9.3	5.0	3.0	0.6	0.0	32	3.1	1.1	0.8	--	0.0	--	34	27
						.46 45	.41 40	.13 13	.02 2	.52 .84	.06 10	.03 5	.01 2						
R05125.00 09/11/67 0830	58.26	8.6	68 F	7.3 7.6	142 130	10	3.7	13	1.3	0.0	63	4.1	7.0	2.3	--	0.0	--	99	40
						.50 12	3.04 73	.57 14	.03 1	1.03 76	.09 7	.20 15	.04 3						

TABLE D-2 (cont.)

SALT SLOUGH AT SAN LUIS RANCH

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	OD SAT	TEMP F	PH LAR FID	EC LAR FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	R	SI02	TDS SUM	TH NCH	
R00475.00 01/03/67 1240	3.91	11.5	43	7.9 7.6	2900	--	--	389 16.92	--	0.0	254 4.17	--	381 10.74	--	--	3.6	--	--	597 389	
R00475.00 05/03/67 0720	4.60	7.8	60	8.0	2310	110	48	300	4.2	0.0	163	523	339	7.9	--	3.1	--	1530	474 341	
R00475.00 09/11/67 0715	3.72	4.9	68	7.4 7.3	1340 1150	59 2.94	30 2.47	162 7.05	14 .36	0.0	175 2.87	169 3.52	214 6.03	12 .19	--	0.9	--	767	271 128	

TABLE D-2 (cont.)

SAN JOAQUIN RIVER AT CROWS LANDING BRIDGE
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. 0	D ₅₀ SAT	TEMP	PH FLD	EC FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO ₃	HC0 ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	TH NCH
R07250.00 10/06/66 1305	37.74		72 F	7.9 8.2	1590	--	--	183 7.96	--	0.0	223 3.66	--	275 7.76	--	--	0.5	--	--	301 118
R07250.00 11/10/66 1350	39.11	10.8	59 F	8.2 8.1	1520	--	--	194 8.61	--	0.0	235 3.85	--	250 7.05	--	--	1.0	--	--	301 109
R07250.00 12/06/66 1005	39.16	9.5	53 F	7.6 7.7	1430	--	--	183 7.96	--	0.0	214 3.51	--	212 5.98	--	--	1.1	--	--	268 93
R07250.00 01/03/67 1355	38.87	9.7	45 F	8.0 7.9	2150	--	--	270 11.74	--	--	--	--	334 9.42	--	--	1.9	--	--	437 437
R07250.00 02/02/67 1410	45.35	9.9	54 F	7.9 7.6	496	--	--	54 2.52	--	0.0	93 1.53	--	60 1.69	--	--	0.4	--	--	100 24
R07250.00 03/02/67 1340	39.19	10.1	62 F	8.1 8.1	2130	--	--	286 12.44	--	0.0	219 3.59	--	340 9.59	--	--	1.4	--	--	419 240
R07250.00 04/04/67 1110	41.30	9.6	55 F	8.1 7.7	752	--	--	86 3.74	--	0.0	120 1.97	--	92 2.59	--	--	0.4	--	--	150 52
R07250.00 05/04/67 1345	56.03	6.8	67 F	7.4	191	15 .75 43	3.0 .25 14	16 .70 40	1.3 .03 2	0.0	56 .92 53	15 .31 18	17 .48 28	1.4 .02 1	--	0.1	--	128 96	50 4
R07250.00 06/06/67 1015	54.56	3.0	--	7.1 7.1	114	--	--	7.4 .32	--	0.0	39 .64	--	7.2 .20	--	--	0.2	--	--	32 0
R07250.00 07/06/67 1100	52.00	7.5	73 F	6.5 7.3	101	--	--	64 2.96 2	--	0.0	30 .49	--	8.7 .25	--	--	0.1	--	--	26 2
R07250.00 09/11/67 0900	41.01	4.2	71 F	7.7 8.2	748 650	33 1.65 24	15 1.23 18	89 3.87 57	3.3 .08 1	0.0	120 1.97 29	80 1.66 25	109 3.07 46	1.7 .03	--	0.3	--	408 390	146 48

TABLE D-2 (cont.)

SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. %	DO SAT	TEMP F	PH LAR FLD	FC LAR FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUF				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCH
R07375.00	66.38	9.0	57 F	7.3	109	12	1.7	6.4	0.9	0.0	50	3.3	3.8	1.5	--	0.0	--	97	37
05/03/67						.60	.14	.24	.02		.82	.07	.11	.02				54	0
0810						58	13	27	2		80	7	11	2					
R07375.00	56.37	1.1	72 F	7.4	850	34	19	99	4.4	0.0	139	69	139	1.2	--	0.2	--	458	173
09/11/67				8.2	750	1.90	1.56	4.31	.11		2.28	1.44	3.92	.02				438	59
0800						24	20	55	1		30	19	51						

TABLE D-2 (cont.)

SAN JOAQUIN RIVER AT FRIANT DAM
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. 0	DO SAT	TEMP F	PH LAB FID	EC LAB FID	MINERAL CONSTITUENTS IN						MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	TH NCH				
R07885.00 01/09/67 1330	1.79	11.0	52 F	6.4 6.8	52	--	--	3.4 .15	--	0.0	20 .33	--	2.4 .07	--	0.0	--	0.0	--	--	--	--	15 0	
R07885.00 05/08/67 1325	9.58	13.0	49 F	7.2 7.6	49	5.0	0.4	3.4 .16 36	0.5 .01 2	0.0	22 .36 86	0.0	1.4 .04 10	1.0 .02 5	--	0.0	--	0.0	--	--	24 23	14 0	
R07885.00 09/12/67 0935	2.24	11.8	57 F	6.7 7.0	33	2.2	0.4	1.7 .07 32	0.4 .01 5	0.0	10 .16 76	0.0	1.0 .03 14	1.0 .02 10	--	0.0	--	0.0	--	--	16 12	7 0	

TABLE D-2 (cont.)

SAN JOAQUIN RIVER NEAR GRAYSON
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER					
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH				
R070R0.00 10/05/65 1110			69 F	7.7 8.1	1470	--	--	17.0 7.40	--	0.0	217 3.56	--	254 7.16	--	--	0.4	--	--	--	313 135			
R070R0.00 11/10/65 1200		9.6	58 F	8.1 7.6	1540 1500	--	--	19.0 8.27	--	0.0	244 4.00	--	246 6.94	--	--	0.9	--	--	--	315 115			
R070R0.00 12/06/66 1110		9.0	53 F	7.7 7.6	1440	--	--	19.0 8.27	--	0.0	222 3.64	--	205 5.78	--	--	1.0	--	--	--	284 102			
R070R0.00 01/03/67 1500		10.8	46 F	8.1 7.6	2030	--	--	26.5 11.53	--	0.0	252 4.13	--	316 8.91	--	--	1.7	--	--	--	424 218			
R070R0.00 02/02/67 1310		9.8	54 F	7.9 7.5	390	--	--	4.2 1.83	--	0.0	96 1.57	--	37 1.04	--	--	0.4	--	--	--	85 7			
R070R0.00 03/02/67 1145		9.5	60 F	8.2 7.9	1960	--	--	25.4 11.14	--	0.0	233 3.82	--	298 8.40	--	--	1.3	--	--	--	405 214			
R070R0.00 04/04/67 1325			56 F	8.3 7.6	906	--	--	10.3 4.43	--	0.0	145 2.38	--	122 3.44	--	--	0.5	--	--	--	192 73			
R070R0.00 05/04/67 1135		6.9	64 F	7.5	192	16 .80 48	2.2 .18 11	1.5 .65 34	1.4 .04 2	0.0	58 .95 57	14 .29 17	14 .39 23	1.9 .03 2	--	0.1	--	--	129 93	49 2			
R070R0.00 06/06/67 1105		9.1	--	7.1 7.1	141	--	--	1.2 .52	--	0.0	43 .71	--	12 .34	--	--	0.1	--	--	--	40 5			
R070R0.00 07/06/67 1015		7.0	74 F	6.8 7.1	120	--	--	8.6 .37	--	0.0	34 .56	--	11 .31	--	--	0.1	--	--	--	32 4			
R070R0.00 09/11/67 1000		9.7	72 F	7.7 8.4	843 760	34 1.90 24	2.2 1.81 23	9.4 4.14 52	4.0 .10 1	0.0	156 2.56 33	88 1.83 23	120 3.38 43	6.0 .10 1	--	0.2	--	--	468 451	185 57			

TABLE D-2 (cont.)

SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. 0	D.O. SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUF				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI0 ₂	TDS SUM	TH NCH
R07040.00 06/06/67 1220	30.61	7.9	--	7.8 7.1	138	10 .50 40	3.2 .26 21	10 .44 35	1.6 .04 3	0.0	41 .67 55	6.2 .13 11	14 .39 32	1.3 .02 2	--	0.0	--	110 66	38 5
R07040.00 09/11/67 1320		9.1	73 F	7.2	419 700	39 1.95 25	19 1.56 20	94 4.09 53	4.7 .12 2	0.0	154 2.53 34	67 1.39 18	126 3.55 47	3.5 .06 1	--	0.4	--	453 429	176 90

TABLE D-2 (cont.)

SAN JOAQUIN RIVER NEAR MENDOTA

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	LAR SAMPLER	G.H. 0	DO SAT	TEMP	PH LAR FLD	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			TH		
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B		SI02	TDS SUM
R07710.00		2.76	15.2	50 F	7.8 8.4	1150	--	--	135 5.87	--	0.0	120 1.97	--	146 4.12	--	0.8	--	--	230 132	
01/19/67 1510	5050																			
R07710.00		11.57	9.2	63 F	7.8 7.2	62	6.6	0.8	3.6	1.0	0.0	29	1.0	1.8	--	0.8	--	32	20	
05/08/67 0925	5050						.33 56	.07 12	.16 27	.03 5	.48 87	.02 4	.05 9					30	0	
R07710.00		4.10	10.5	78 F	7.5 8.2	547	26	15	59	3.2	0.0	106	52	79	1.2	0.2	--	306	127	
09/14/67 1330	5050						1.30 25	1.23 24	2.57 50	.08 2	1.74	1.08	2.23	.02 44				288	40	

TABLE D-2 (cont.)

SAN JOAQUIN RIVER AT PATTERSON BRIDGE
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.M. Q	DO SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUF				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	TH NCH
R07200.00 05/04/67 1245	65.50	5.7	65 F	7.6	176	15 .75 46	2.8 .23 14	14 .61 37	1.5 .04 2	0.0	57 .93 58	14 .29 18	13 .37 23	1.2 .02 1	--	0.1	--	122 90	49 3
R07200.00 09/11/67 0920		4.2	72 F	7.6 8.4	753 650	33 1.65 24	18 1.48 21	85 3.70 53	3.7 .09 1	0.0	130 2.13 31	80 1.66 24	109 3.07 44	2.6 .04 1	--	0.3	--	412 395	156 50

TABLE D-2 (cont.)

SAN JOAQUIN RIVER NEAR VERNALIS
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. O	DO SAT	TEMP	PH LAB FLD	FC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						TH NCH
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM				
R07020.00 10/05/66 1000	10.75		68 F	8.1 7.7	1010	50 2.50 25	24 1.97 20	120 5.22 53	5.0 .13	0.0	184 3.02 31	84 1.75 18	178 5.02 51	6.6 .11 1	0.3	0.2	26	-- 584	224 73			
R07020.00 11/09/66 1210	11.64	3.9	54 F	8.2 7.3	691	34 1.70 26	17 1.40 21	79 3.44 52	2.8 .07 1	0.0	126 2.07 32	59 1.23 19	112 3.16 48	4.1 .07 1	0.1	0.2	20	-- 390	155 52			
R07020.00 12/07/66 0845	13.43	9.1	52 F	7.6 7.3	475	25 1.25 28	11 .90 20	52 2.26 50	4.8 .12 3	0.0	93 1.53 35	50 1.04 24	62 1.75 40	3.7 .06 1	0.1	0.2	16	-- 270	108 32			
R07020.00 01/04/67 1105	13.20	10.4	45 F	8.0 7.3	733	34 1.70 24	18 1.48 21	84 3.83 54	2.2 .06 1	0.0	115 1.89 27	97 2.02 29	106 2.99 43	3.3 .05 1	0.2	0.5	16	-- 422	159 65			
R07020.00 02/01/67 1125	13.31	3.9	52 F	7.9 7.2	253	14 .70 29	7.2 .59 24	25 1.09 45	2.4 .06 2	0.0	70 1.15 47	26 .54 22	25 .71 29	2.8 .05 2	0.1	0.1	14	-- 151	64 7			
R07020.00 03/02/67 1115	15.55	10.0	54 F	7.5 7.5	495	24 1.20 25	12 .99 21	54 2.64 52	1.5 .04 1	0.0	73 1.20 27	62 1.29 29	70 1.97 44	1.8 .03 1	0.1	0.2	14	-- 277	110 50			
R07020.00 04/05/67 0930	19.41	3.1	50 F	7.7 7.4	300	17 .85 29	7.4 .61 21	32 1.39 48	1.5 .04 1	0.0	66 1.08 39	29 .60 22	38 1.07 38	2.5 .04 1	0.1	0.1	14	-- 174	73 19			
R07020.00 05/03/67 1015	28.54	3.1	57 F	7.6	168	12 .60 34	4.6 .38 24	13 .57 36	1.9 .05 3	0.0	58 .95 61	12 .25 16	12 .34 22	1.0 .02 1	0.0	0.0	14	126 99	49 2			
R07020.00 06/06/67 1240	27.29	3.4	--	7.2 7.1	124	9.4 .47 39	3.1 .25 21	10 .44 37	1.3 .03 3	0.0	40 .66 58	9.0 .19 17	9.5 .27 24	1.4 .02 2	0.1	0.0	12	-- 75	36 3			
R07020.00 07/25/67			--	7.9	555	25 1.25 24	17 1.40 27	57 2.44 44	2.5 .06 1	0.0	102 1.67 33	53 1.10 22	78 2.20 44	3.1 .05 1	0.1	0.1	17	-- 303	132 49			
R07020.00 08/09/67 0915		9.4	81 F	8.1 8.0	704	41 2.05 32	16 1.32 20	70 3.05 47	3.0 .08 1	0.0	133 2.18 32	75 1.56 23	104 2.93 44	3.8 .06 1	0.1	0.3	19	-- 397	168 59			
R07020.00 09/11/67	13.33 1990.0	3.4	73 F	8.3 8.4	648 625	34 1.90 29	16 1.32 20	72 3.13 49	3.8 .10 2	2.0 .07 1	138 2.26 35	55 1.14 17	101 2.85 44	13 .21 3	0.2	0.2	31	376 400	161 45			

TABLE D-2 (cont.)

STANISLAUS RIVER AT KOETTITZ

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	D.O. SAT	TEMP F	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	N03	F	B	SI02	TDS SUM	TH NCH
R03115.00 05/04/67 1020	41.12	10.9	56 F	7.7	105	12	2.9	3.2	0.4	0.0	53	4.1	0.9	0.4	--	0.0	--	79	42
						.60 61	.24 24	.14 14	.01 1	.87 87	.09 9	.03 3	.01 1						
R03115.00 09/11/67 5050	29.90	9.0	80 F	7.5	152 130	14	5.7	7.9	1.4	0.0	73	7.2	3.7	2.5	--	0.1	--	96	58
						.70 45	.47 30	.34 22	.04 3	1.20 42	1.50 53	.10 4	.04 1						

TABLE D-2 (cont.)
 STANISLAUS RIVER ABOVE MELONES RESERVOIR
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.M. O	DO SAT	TEMP F	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			TH NCH
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	
R31340.50 01/06/67 1040		12.8	42 F	7.7 7.2	56	--	--	3.2 .14	--	0.0	34 .56 1	--	1.0 .03	--	--	0.0	--	--	22 0
R31340.50 05/05/67 1015		11.6	48 F	7.4	52	6.7 .33 70	0.6 .05 11	1.8 .08 17	0.2 .01 2	0.0	27 .44 94	0.5 .02 4	0.0	0.4 .01 2	--	0.0	--	28 24	19 0

TABLE D-2 (cont.)
TULE RIVER NEAR SPRINGVILLE

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	D.O. SAT	TEMP F	PH LAB FLD	EC LAB FLD	MILLIGRAMS PER LITER										TDS SUM	TH NCH		
						CA	MG	NA	K	CO3	HC03	504	CL	N03	F			H	SI02
C31150.00 10/04/66 0930	2.90 6.0	7.5	64 F	8.1	480	--	--	31	--	0.0	272	--	18	--	0.3	--	--	169	0
								1.35		4.46			.51						
C31150.00 11/07/66 1005	3.05 46.0	9.3	58 F	8.2	499	--	--	43	--	0.0	274	--	17	--	0.3	--	--	185	0
								1.87		4.49			.48						
C31150.00 12/21/66 0900	3.58 46.0	10.1	46 F	8.1	172	21	3.3	8.7	--	0.0	90	--	4.2	--	0.0	--	--	66	0
						1.05	.27	.38		1.48			.12						
C31150.00 01/13/67 1110		--	--	8.0	222	--	--	10	--	0.0	127	--	6.3	--	0.0	--	--	105	1
								.44		2.08			.18						
C31150.00 02/07/67 0855	3.27 30.2	12.2	42 F	8.0	168	--	--	8.5	--	0.0	90	--	4.1	--	0.0	--	--	68	0
								.37		1.48			.12						
C31150.00 03/06/67 0950	3.04 145.0	12.1	48 F	7.4	204	--	--	10	--	0.0	114	--	5.0	--	0.0	--	--	80	0
								.44		1.87			.14						
C31150.00 04/05/67 1010		11.4	50 F	7.9	147	--	--	8.7	--	0.0	79	--	4.2	--	0.1	--	--	53	0
								.38		1.30			.12						
C31150.00 05/15/67 0905	4.30 750.0	10.3	54 F	7.7	108	14	1.0	5.5	0.9	0.0	57	0.2	1.6	1.3	0.0	--	63	39	0
						.70	.08	.24	.02	.93			.05	.02			52		
						.67	.8	.23	.2	.93			.5	.2					
C31150.00 06/15/67 1015	3.86 465.0	9.9	61 F	7.4	111	--	--	4.5	--	0.0	58	--	2.8	--	0.0	--	--	41	0
								.20		.95			.08						
C31150.00 07/31/67 0745	2.55 93.0	7.2	66 F	8.2	231	--	--	11	--	0.0	131	--	4.9	--	0.1	--	--	92	0
								.48		2.15			.14						
C31150.00 08/13/67 5050	138.0	7.7	74 F	8.1	278	--	--	14	--	0.0	159	--	6.5	--	0.1	--	--	113	0
								.61		2.61			.18						
C31150.00 09/03/67 0930	30.0	8.8	64 F	8.3	328	41	6.6	14	3.2	0.0	188	0.0	9.0	0.5	0.1	--	169	129	0
						2.05	.54	.74	.08	3.08			.25	.01			171		
						.59	.16	.23	.2	.92			.7						

TABLE D-2 (cont.)
 TULE RIVER BELOW SUCCESS DAM
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. 0	O ₂ SAT	TEMP F	PH LAB FLD	FC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER		
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SiO ₂	TDS SUM	TH NCH	
C03196.00 10/04/66 1025	1.30 1.0	9.3	69 F	8.5	363	--	--	20 .87	--	4.0 .13	212 3.48	--	4.6 .24	--	0.1	--	--	167 0		
C03196.00 11/07/66 1030	1.32 1.9	9.2	60 F	8.2	402	--	--	21 .91	--	0.0 3.85	235 3.85	--	7.2 .20	--	0.1	--	--	160 0		
C03196.00 12/21/66 0950	6.44 690.0	10.7	51 F	6.8	122	12 .60	2.9 .24	4.2 .14	--	0.0 .71	43 .03	--	1.2 .03	--	0.0	--	--	42 7		
C03196.00 01/13/67 1240	5.69 417.0	11.6	50 F	7.3	138	--	--	5.5 .24	--	0.0 1.16	71 .08	--	2.9 .08	--	0.0	--	--	58 0		
C03196.00 02/07/67 0920	5.80 450.0	11.7	48 F	7.8	160	--	--	7.7 .33	--	0.0 1.34	82 .15	--	5.3 .15	--	0.2	--	--	61 0		
C03196.00 03/06/67 1040	6.15 570.0	11.7	54 F	7.4	180	--	--	8.4 .37	--	0.0 1.56	95 .13	--	4.6 .13	--	0.1	--	--	71 0		
C03196.00 04/05/67 1050	17.2	58 F	8.5	302	--	--	--	14 .70	--	4.0 .13	163 2.67	--	6.2 .17	--	0.1	--	--	123 0		
C03196.00 05/15/67 1000	6.15 570.0	12.2	58 F	7.5	144	20 1.00 61	2.4 .20 12	8.9 .39 24	2.0 .05 3	0.0 1.39 .88	.85 .07 4	3.6 .03 2	3.2 .09 6	--	0.0	--	133 84	60 0		
C03196.00 06/00/67 5002	590.0	8.1	72 F	7.3	177	--	--	7.5 .33	--	0.0 1.15	70 .115	--	3.4 .10	--	0.1	--	--	49 0		
C03196.00 07/31/67 0915	6.27 618.0	9.0	70 F	7.3	122	--	--	6.4 .24	--	0.0 1.03	63 .08	--	2.8 .08	--	0.0	--	--	45 0		
C03196.00 08/13/67 5002	590.0	8.1	72 F	7.3	177	--	--	6.7 .29	--	0.0 1.12	68 .112	--	2.8 .08	--	0.0	--	--	51 0		
C03196.00 09/03/67 1000	5.01 251.0	9.5	76 F	7.6	204	25 1.25 60	4.3 .35 17	9.7 .42 20	2.9 .07 3	0.0 1.85 .91	113 .04 2	2.0 .02 6	4.3 .12 6	--	0.0	--	106 105	80 0		

TABLE D-2 (cont.)
 TUOLUMNE RIVER ABOVE DON PEDRO RESERVOIR
 MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.M.	DO SAT	TEMP	PH LAR FLD	EC LAR FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER						TDS SUM	TH NCH
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02		
R41265.50 01/06/47 1210		13.0	44 F	7.0 6.8	30	--	--	1.0 .04	--	0.0	12 .20	--	1.5 .04	--	0.1	--	--	12 2	
R41265.50 05/05/47 1125		11.6	51 F	7.6	58	7.2	1.0	2.0 .04	0.2	0.0	28 .46	0.3	0.3 .01	--	0.0	--	26 28	22 0	

TABLE D-2 (cont.)

TUOLUMNE RIVER AT HICKMAN BRIDGE

MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.M. O	O ₂ SAT	TEMP F	PH LAR FLD	EC LAB FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			TH NCH
						CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	N03	F	B	SI02	TDS SUM	
R04150.00 05/05/67 0840		10.9	52 F	7.7	109	11	2.1	5.5	0.1	0.0	42	3.6	4.5	0.5	--	0.0	--	73	36
						.55 57	.17 18	.24 25		.69 73	.07 7	.18 19	.01 1						
R04150.00 09/14/67 0835		9.4	73 F	7.8 7.6	555	28	11	57	5.5	0.0	99	1.3	109	1.6	--	0.2	--	337	115
						1.40 28	.90 18	2.48 50	.14 3	1.62 34	.03 1	3.07 65	.03 1						

TABLE D-2 (cont.)
TUOLUMNE RIVER AT TUOLUMNE CITY
MINERAL ANALYSES OF SURFACE WATER

STATION NUMBER DATE TIME	G.H. Q	DO SAT	TEMP F	PH LAB FLD	EC LAR FLD	MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
						CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	B	SI02	TDS SUM	TH NCH
R04105.00 05/05/67 1105		9.9	57	7.6	144	13 .65 49	3.0 .25 19	9.4 .41 31	0.7 .02 2	0.0	.48 .79 61	4.8 .10 8	14 .39 30	1.3 .02 2	--	0.1	--	95 70	45 6
R04105.00 09/11/67 1020	24.90	4.5	73	7.3 7.6	707 650	38 1.90 30	13 1.07 17	74 3.22 50	7.3 .19 3	0.0	141 2.31 37	7.4 .15 2	129 3.64 58	8.6 .14 2	--	0.1	--	402 346	149 34

TABLE D-3

TRACE MINERAL ANALYSES OF SURFACE WATER

This table presents spectrographic analyses performed by the U. S. Geological Survey laboratory in Sacramento. The following are definitions of chemical symbols and of abbreviations used in this table.

Chemical Symbols

AL	Aluminum	GA	Gallium
AS	Arsenic	GE	Germanium
BE	Beryllium	LI	Lithium
BI	Bismuth	MN	Manganese
BR	Bromine	MO	Molybdenum
CD	Cadmium	NI	Nickel
CO	Cobalt	PB	Lead
CR	Chromium	TI	Titanium
CU	Copper	V	Vanadium
FE	Iron	ZN	Zinc

Abbreviations

LAB	Laboratory	U	Micrograms per liter
M	Milligrams per liter	Y	Less than the amount indicated

TRACE MINERAL ANALYSES OF SURFACE WATER

STATION NO.	DATE	LFB	AL LI	FS Mg	BE MO	BI SI	BR PB	CD TI	CO V	CR Zn	CU SR	FE	GA	GE
B00475.00	05-03-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B00475.00	05-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B00770.00	05-08-67	5000	005.1U	000.3U 001.4UY	000.6UY 002.8U	000.3UY 002.4U	--	001.4UY 000.6UY	001.4UY 002.3U	001.4UY 005.7U	001.4UY	0017.U	005.7UY	000.3UY
B00770.00	05-14-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B03115.00	05-04-67	5000	00.2TU	000.0 003.3UY	001.3UY 000.7UY	000.7UY 0021.U	--	003.3UY 001.6U	003.3UY 001.3U	003.3UY 0013.UY	003.3UY	--	0011.UY0013.UY	000.6UY
B03115.00	05-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B04105.00	05-05-67	5000	0015.U	000.0 003.3UY	0001.3UY 000.7UY	000.7UY 008.7U	--	003.3UY 001.3UY	006.7U 001.4U	003.3UY 0013.UY	003.3UY	0018.U	0013.UY	000.7UY
B04150.00	05-05-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B04150.00	05-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B04150.00	05-14-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B05125.00	05-03-67	5000	0065.UY	000.0 001.4UY	000.6UY 000.3UY	000.3UY 002.3U	--	001.4UY 001.5U	006.3U 001.1U	001.4UY 005.7UY	001.4UY	0034.U	005.7UY	000.3UY
B05125.00	05-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07020.00	10-05-66	5000	000.1U	--	--	--	--	--	--	--	004.0U	--	--	--
B07020.00	11-04-66	5000	000.2UY	--	--	--	--	--	--	--	002.0U	--	--	--
B07020.00	12-07-66	5000	000.2UY	--	--	--	--	--	--	--	001.3U	--	--	--
B07020.00	01-04-67	5000	000.1U	--	--	--	--	--	--	--	003.2U	--	--	--
B07020.00	02-01-67	5000	000.1UY	--	--	--	--	--	--	--	001.6U	--	--	--
B07020.00	03-02-67	5000	000.1UY	--	--	--	--	--	--	--	002.0U	--	--	--
B07020.00	04-01-67	5000	000.1UY	--	--	--	--	--	--	--	002.0U	--	--	--
B07020.00	05-03-67	5000	0103.U 000.1UY	000.0 001.4UY	000.6UY 000.3UY	000.3UY 002.6U	001.4UY	001.4UY 003.1U	001.4UY 004.0U	001.4UY 005.7UY	001.4UY	001.4UY	005.7UY	000.3UY
B07020.00	06-06-67	5000	000.1UY	--	--	--	--	--	--	--	001.0U	--	--	--
B07020.00	07-25-67	5000	000.1UY	--	--	--	--	--	--	--	002.5U	--	--	--
B07020.00	08-04-67	5000	000.2UY	--	--	--	--	--	--	--	001.0U	--	--	--
B07020.00	09-11-67	5000	000.1UY	--	--	--	--	--	--	--	003.0U	--	--	--
B07040.00	06-06-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07040.00	09-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--

TABLE D-3 (cont.)

TRACE MINERAL ANALYSES OF SURFACE WATER

STATION NO.	DATE	LAB	AL LT	AS MN	BE MO	BI NI	BR PB	CD TI	CO V	CR ZN	CU SR	FE	GA	GE
B07080.00	05-04-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07080.00	05-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07200.00	05-04-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07200.00	05-11-67	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
B07250.00	05-04-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07250.00	05-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07375.00	05-03-67	5000	0263.U	000.0	000.6UY	000.3UY	001.4UY	001.4UY	001.4UY	001.7U	001.1.U	001.3.UY	005.7UY	000.3UY
B07375.00	05-11-67	5050	--	000.0	000.3UY	002.2U	001.4UY	003.4U	005.7UY	--	--	--	--	--
B07710.00	05-08-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07710.00	05-14-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B07885.00	05-08-67	5050	--	000.2U	--	--	--	--	--	--	--	--	--	--
B07885.00	05-12-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B31340.50	05-05-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B41265.50	05-05-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B51400.00	05-05-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B64200.00	05-16-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B64200.00	05-12-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B67150.00	05-17-67	5050	000.0	--	--	--	--	--	--	--	--	--	--	--
B67150.00	05-12-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
B75525.00	05-03-67	5000	0080.U	000.0	000.6UY	000.3UY	001.4UY	001.4UY	001.4UY	001.4UY	001.4UY	005.7UY	005.7UY	000.3UY
B75525.00	05-11-67	5050	--	000.0	000.3UY	002.7U	001.4UY	002.5U	003.4U	005.7UY	--	--	--	--
C01140.00	05-08-67	5000	0054.U	000.0	000.6UY	000.3UY	--	001.4UY	001.4UY	001.4UY	001.4UY	003.1.U	005.7U	000.3UY
C01140.00	05-15-67	5050	--	000.0	001.6U	001.8U	001.4UY	001.1U	000.5U	005.7UY	--	--	--	--
C02185.00	05-16-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C02185.00	05-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C03156.00	05-15-67	5000	0120.U	000.0	001.3UY	000.7UY	003.3UY	003.3UY	003.3UY	003.3UY	003.3UY	005.5.U	001.3.UY	000.7UY

TABLE D-3 (cont.)

TRACE MINERAL ANALYSES OF SURFACE WATER

STATION NO.	DATE	LAB	AL LI	AS MN	BE MO	BI NI	BR PB	CD TI	CO V	CR ZN	CU SR	FE	GA	GE
C03196.00	09-03-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C05150.00	05-10-67	5000	0267.U	000.2U 003.3UY	001.3U 005.9U	000.7UY 003.6U	-- 003.3U	003.3UY 006.1U	003.3UY 002.3U	003.3U 0013.UY	003.3UY	0080.U	0013.UY	000.7U
C05150.00	09-26-67	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
C11140.00	05-08-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C11140.00	09-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C11320.00	05-08-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C11320.00	09-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C11460.00	05-08-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C11460.00	09-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C21250.00	05-16-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C21250.00	09-11-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C31150.00	05-15-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C31150.00	09-03-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C51350.00	05-11-67	5050	--	000.2U	--	--	--	--	--	--	--	--	--	--
C51350.00	07-25-67	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
C51350.00	09- -67	5050	--	000.2U	--	--	--	--	--	--	--	--	--	--
C51500.00	05-11-67	5050	--	000.2U	--	--	--	--	--	--	--	--	--	--
C51500.00	07-25-67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--
C51500.00	09- -67	5050	--	000.0	--	--	--	--	--	--	--	--	--	--

TABLE D-4

MISCELLANEOUS CONSTITUENTS OF SURFACE WATER

Table D-4 presents analyses which do not appear on Tables D-2 and D-3. The definitions of symbols and of abbreviations used in this table are as follows:

DET	Detergents
TRB	Turbidity
P	Total phosphates
PO ₆	Ortho phosphate
POT	Total and organic phosphates
M	Milligrams per liter

MISCELLANEOUS CONSTITUENTS OF SURFACE WATER

STATION NO.	DATE	LAB	TRB	DEI	NH4	NO2	NO3	NUTRIENTS NO	P06	P	POT
B00475.00	01-03-67	5050	0025.M	--	--	--	--	--	--	--	--
B00475.00	05-03-67	5050	0076.M	000.0	--	--	--	--	--	00.73M	--
B00475.00	09-11-67	5050	--	000.0	--	--	--	--	--	001.8M	--
B00770.00	10-10-66	5050	0040.M	--	--	--	--	--	--	--	--
B00770.00	11-16-66	5050	0025.M	--	--	--	--	--	--	--	--
B00770.00	12-12-66	5050	0025.M	--	--	--	--	--	--	--	--
B00770.00	01-15-67	5050	0008.M	--	--	--	--	--	--	--	--
B00770.00	02-20-67	5050	0030.M	--	--	--	--	--	--	--	--
B00770.00	03-16-67	5050	0025.M	--	--	--	--	--	--	--	--
B00770.00	04-25-67	5050	0030.M	--	--	--	--	--	--	--	--
B00770.00	05-08-67	5050	0004.M	000.0M	--	--	--	--	--	0001.M	--
B00770.00	06-08-67	5050	0015.M	--	--	--	--	--	--	--	--
B00770.00	09-14-67	5050	--	000.0M	--	--	--	--	--	00.35M	--
B03115.00	05-04-67	5050	0009.M	000.0	--	--	--	--	--	00.12M	--
B03115.00	09-11-67	5050	--	000.0	--	--	--	--	--	00.22M	--
B04105.00	05-05-67	5050	0005.M	000.0M	--	--	--	--	--	00.17M	--
B04105.00	09-11-67	5050	--	000.0M	--	--	--	--	--	001.2M	--
B04150.00	05-05-67	5050	0005.M	000.0M	--	--	--	--	--	00.04M	--
B04150.00	09-14-67	5050	--	000.0M	--	--	--	--	--	00.16M	--
B05125.00	05-03-67	5050	0010.M	000.0M	--	--	--	--	--	00.10M	--
B05125.00	09-11-67	5050	--	000.0M	--	--	--	--	--	00.15M	--
B07020.00	10-05-66	5000	0010.M	--	--	--	--	--	--	00.67M	--
B07320.00	11-09-66	5000	0010.M	--	--	--	--	--	--	00.48M	--
B07320.00	12-07-66	5000	0030.M	--	--	--	--	--	--	00.84M	--
B07020.00	01-04-67	5000	0010.M	--	--	--	--	--	--	00.36M	--
B07320.00	02-01-67	5000	0050.M	--	--	--	--	--	--	00.55M	--
B07020.00	03-02-67	5000	0015.M	--	--	--	--	--	--	00.21M	--
B07020.00	04-05-67	5000	0025.M	--	--	--	--	--	--	00.21M	--
B07020.00	05-03-67	5000	0005.M	000.0	--	--	--	--	--	00.32M	--
B07020.00	06-06-67	5000	0040.M	--	--	--	--	--	--	00.30M	--
B07020.00	07-25-67	5000	--	--	--	--	--	--	--	00.49M	--
B07020.00	08-09-67	5000	0075.M	--	--	--	--	--	--	00.53M	--
B07020.00	09-11-67	5000	0035.M	--	--	--	--	--	--	00.36M	--
B07040.00	06-06-67	5050	0055.M	--	--	--	--	--	--	00.58M	--
B07040.00	09-11-67	5050	--	000.0	--	--	--	--	--	00.63M	--
B07080.00	10-05-66	5050	0020.M	--	--	--	--	--	--	--	--
B07030.00	11-10-66	5050	0008.M	--	--	--	--	--	--	--	--
B07080.00	12-06-66	5050	0035.M	--	--	--	--	--	--	--	--

TABLE D-4 (cont.)

STATION NO.	DATE	LAB	TRB	MISCELLANEOUS CONSTITUENTS OF SURFACE WATER DET	NUTRIENTS				P	POT
					NH4	NO2	NO3	NO6		
B07080.00	01-03-67	5050	0025.M	--	--	--	--	--	--	--
B07080.00	02-02-67	5050	0110.M	--	--	--	--	--	--	--
B07080.00	03-02-67	5050	0025.M	--	--	--	--	--	--	--
B07080.00	04-04-67	5050	0040.M	--	--	--	--	--	--	--
B07080.00	05-04-67	5050	0015.M	000.0	--	--	--	00.41M	--	--
B07080.00	06-06-67	5050	0060.M	--	--	--	--	--	--	--
B07080.00	05-11-67	5050	--	000.0	--	--	--	00.58M	--	--
B07200.00	05-04-67	5050	0015.M	000.0	--	--	--	00.46M	--	--
B07200.00	05-11-67	5050	--	000.0	--	--	--	00.56M	--	--
B07250.00	10-06-66	5050	0015.M	--	--	--	--	--	--	--
B07250.00	11-10-66	5050	0025.M	--	--	--	--	--	--	--
B07250.00	12-06-66	5050	0055.M	--	--	--	--	--	--	--
B07250.00	01-03-67	5050	0020.M	--	--	--	--	--	--	--
B07250.00	02-02-67	5050	0180.M	--	--	--	--	--	--	--
B07250.00	03-02-67	5050	0025.M	--	--	--	--	--	--	--
B07250.00	04-04-67	5050	0060.M	--	--	--	--	--	--	--
B07250.00	05-04-67	5050	0020.M	000.0	--	--	--	00.41M	--	--
B07250.00	06-06-67	5050	0070.M	--	--	--	--	--	--	--
B07250.00	05-11-67	5050	--	000.0	--	--	--	00.54M	--	--
B07375.00	05-03-67	5050	0072.M	000.0	--	--	--	00.45M	--	--
B07375.00	05-11-67	5050	--	000.0	--	--	--	00.67M	--	--
B07710.00	01-19-67	5050	0025.M	000.0	--	--	--	--	--	--
B07710.00	05-08-67	5050	0040.M	000.0	--	--	--	00.22M	--	--
B07710.00	05-14-67	5050	--	000.0	--	--	--	00.27M	--	--
B07885.00	01-05-67	5050	0007.M	--	--	--	--	--	--	--
B07885.00	05-08-67	5050	0005.M	000.0	--	--	--	00.08M	--	--
B07885.00	05-12-67	5050	--	000.0	--	--	--	00.25M	--	--
B31340.50	01-06-67	5050	0004.M	--	--	--	--	00.03M	--	--
B31340.50	05-05-67	5050	0005.M	000.0	--	--	--	--	--	--
B41265.50	01-06-67	5050	0002.M	--	--	--	--	00.02M	--	--
B41265.50	05-05-67	5050	0002.M	000.0M	--	--	--	--	--	--
B51400.00	01-06-67	5050	0001.M	--	--	--	--	--	--	--
B51400.00	05-05-67	5050	0002.M	000.0M	--	--	--	00.01M	--	--
B64200.00	05-16-67	5050	0005.M	000.0M	--	--	--	00.10M	--	--
B64200.00	05-12-67	5050	--	000.0M	--	--	--	00.04M	--	--
B67150.00	05-17-67	5050	0015.M	000.0M	--	--	--	00.16M	--	--
B67150.00	06-12-67	5050	--	000.0M	--	--	--	00.06M	--	--

STATION NO.	DATE	LAB	TRB	DET	MISCELLANEOUS CONSTITUENTS OF SURFACE WATER					NUTRIENTS				POT
					NH4	NO2	NO3	NO	PO6	P				
B95025.00	10-05-66	5050	0025.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	11-10-66	5050	0020.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	12-06-66	5050	0015.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	01-03-67	5050	0010.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	02-02-67	5050	0040.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	03-02-67	5050	0015.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	04-04-67	5050	0030.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	05-03-67	5050	0030.M	000.0M	--	--	--	--	--	--	00.34M	--	--	--
B95025.00	06-06-67	5050	0020.M	--	--	--	--	--	--	--	--	--	--	--
B95025.00	06-11-67	5050	--	000.0M	--	--	--	--	--	--	00.52M	--	--	--
C01140.00	10-10-65	5050	0005.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	11-14-66	5050	0005.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	12-12-66	5050	0025.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	01-09-67	5050	0010.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	02-20-67	5050	0010.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	03-13-67	5050	0015.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	04-10-67	5050	0007.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	05-08-67	5050	0008.M	000.0M	--	--	--	--	--	--	00.15M	--	--	--
C01140.00	06-12-67	5050	0005.M	--	--	--	--	--	--	--	--	--	--	--
C01140.00	06-15-67	5050	--	000.0M	--	--	--	--	--	--	00.05M	--	--	--
C02185.00	10-17-66	5050	0002.M	--	--	--	--	--	--	--	--	--	--	--
C02185.00	11-17-66	5050	0002.M	--	--	--	--	--	--	--	--	--	--	--
C02185.00	01-09-67	5050	0115.M	--	--	--	--	--	--	--	--	--	--	--
C02185.00	02-06-67	5050	0035.M	--	--	--	--	--	--	--	--	--	--	--
C02185.00	03-08-67	5050	0001.M	--	--	--	--	--	--	--	--	--	--	--
C02185.00	04-12-67	5050	0030.M	--	--	--	--	--	--	--	--	--	--	--
C02185.00	05-16-67	5050	0006.M	000.0M	--	--	--	--	--	--	00.06M	--	--	--
C02185.00	06-15-67	5050	0002.M	--	--	--	--	--	--	--	--	--	--	--
C02185.00	06-11-67	5050	--	000.0M	--	--	--	--	--	--	00.07M	--	--	--
C03196.00	10-04-66	5050	0005.M	--	--	--	--	--	--	--	--	--	--	--
C03196.00	11-07-66	5050	0001.M	--	--	--	--	--	--	--	--	--	--	--
C03196.00	12-21-66	5050	0500.M	--	--	--	--	--	--	--	--	--	--	--
C03196.00	01-13-67	5050	0180.M	--	--	--	--	--	--	--	--	--	--	--
C03196.00	02-07-67	5050	0090.M	--	--	--	--	--	--	--	--	--	--	--
C03196.00	03-06-67	5050	0032.M	--	--	--	--	--	--	--	--	--	--	--
C03196.00	04-05-67	5050	0003.M	--	--	--	--	--	--	--	--	--	--	--
C03196.00	05-15-67	5050	0015.M	000.0M	--	--	--	--	--	--	00.12M	--	--	--

TABLE D-4 (cont.)
MISCELLANEOUS CONSTITUENTS OF SURFACE WATER

STATION NO.	DATE	LAB	TRB	DET	NH4	NO2	NO3	NUTRIENTS NO	P06	P	POT
C03156.00	06-30-67	5050	0005.M	--	--	--	--	--	--	--	--
C03156.00	09-03-67	5050	--	000.0M	--	--	--	--	--	00.03M	--
C05150.00	10-04-66	5050	0002.M	--	--	--	--	--	--	--	--
C05150.00	11-22-66	5050	0004.M	--	--	--	--	--	--	--	--
C05150.00	12-12-66	5050	0320.M	--	--	--	--	--	--	--	--
C05150.00	01-03-67	5050	0140.M	--	--	--	--	--	--	--	--
C05150.00	01-31-67	5050	0130.M	--	--	--	--	--	--	--	--
C05150.00	03-01-67	5050	0055.M	--	--	--	--	--	--	--	--
C05150.00	04-12-67	5050	0030.M	--	--	--	--	--	--	--	--
C05150.00	05-10-67	5050	0055.M	000.0M	--	--	--	--	--	00.53M	--
C05150.00	06-15-67	5050	0015.M	--	--	--	--	--	--	--	--
C05150.00	09-26-67	5050	--	000.0M	--	--	--	--	--	00.12M	--
C11140.00	11-14-66	5050	0002.M	--	--	--	--	--	--	--	--
C11140.00	12-12-66	5050	0020.M	--	--	--	--	--	--	--	--
C11140.00	01-09-67	5050	0070.M	--	--	--	--	--	--	--	--
C11140.00	02-13-67	5050	0005.M	--	--	--	--	--	--	--	--
C11140.00	03-13-67	5050	0010.M	--	--	--	--	--	--	--	--
C11140.00	04-10-67	5050	0005.M	--	--	--	--	--	--	--	--
C11140.00	05-08-67	5050	0003.M	000.0M	--	--	--	--	--	00.05M	--
C11140.00	06-12-67	5050	0002.M	--	--	--	--	--	--	--	--
C11140.00	06-11-67	5050	--	000.0M	--	--	--	--	--	00.03M	--
C11320.00	11-14-66	5050	0001.M	--	--	--	--	--	--	--	--
C11320.00	12-12-66	5050	0020.M	--	--	--	--	--	--	--	--
C11320.00	01-09-67	5050	0010.M	--	--	--	--	--	--	--	--
C11320.00	02-13-67	5050	0008.M	--	--	--	--	--	--	--	--
C11320.00	03-13-67	5050	0040.M	--	--	--	--	--	--	--	--
C11320.00	04-10-67	5050	0008.M	--	--	--	--	--	--	--	--
C11320.00	05-08-67	5050	0010.M	000.0M	--	--	--	--	--	00.14M	--
C11320.00	06-12-67	5050	0002.M	--	--	--	--	--	--	--	--
C11320.00	09-11-67	5050	--	000.0M	--	--	--	--	--	00.15M	--
C11460.00	11-14-66	5050	0001.M	--	--	--	--	--	--	--	--
C11460.00	12-12-66	5050	0005.M	--	--	--	--	--	--	--	--
C11460.00	01-09-67	5050	0005.M	--	--	--	--	--	--	--	--
C11460.00	02-13-67	5050	0005.M	--	--	--	--	--	--	--	--
C11460.00	03-13-67	5050	0025.M	--	--	--	--	--	--	--	--
C11460.00	04-10-67	5050	0002.M	--	--	--	--	--	--	--	--
C11460.00	05-08-67	5050	0004.M	000.0M	--	--	--	--	--	00.04M	--

TABLE D-4 (cont.)

STATION NO.	DATE	LAB	TRB	MISCELLANEOUS CONSTITUENTS OF SURFACE WATER				NUTRIENTS					
				DET	NH4	NO2	NO3	NO	PO6	P	POT		
C11460.00	06-12-67	5000	0003.M	--	--	--	--	--	--	--	--	--	--
C11460.00	09-16-67	5050	--	000.0M	--	--	--	--	--	--	--	00.03M	--
C21250.00	10-17-66	5050	0001.M	--	--	--	--	--	--	--	--	--	--
C21250.00	11-17-66	5050	0001.M	--	--	--	--	--	--	--	--	--	--
C21250.00	01-09-67	5050	0020.M	--	--	--	--	--	--	--	--	--	--
C21250.00	02-06-67	5050	0005.M	--	--	--	--	--	--	--	--	--	--
C21250.00	03-09-67	5050	0010.M	--	--	--	--	--	--	--	--	--	--
C21250.00	04-10-67	5050	0010.M	--	--	--	--	--	--	--	--	--	--
C21250.00	05-16-67	5050	0006.M	000.0M	--	--	--	--	--	--	--	00.10M	--
C21250.00	06-15-67	5050	0002.M	--	--	--	--	--	--	--	--	--	--
C21250.00	09-11-67	5050	--	--	--	--	--	--	--	--	--	--	--
C31150.00	10-04-66	5050	0005.M	--	--	--	--	--	--	--	--	--	--
C31150.00	11-07-66	5050	0001.M	--	--	--	--	--	--	--	--	--	--
C31150.00	12-21-66	5050	0007.M	--	--	--	--	--	--	--	--	--	--
C31150.00	01-13-67	5050	0005.M	--	--	--	--	--	--	--	--	--	--
C31150.00	02-07-67	5050	0007.M	--	--	--	--	--	--	--	--	--	--
C31150.00	03-06-67	5050	0004.M	--	--	--	--	--	--	--	--	--	--
C31150.00	04-05-67	5050	0035.M	--	--	--	--	--	--	--	--	--	--
C31150.00	05-15-67	5050	0010.M	000.0M	--	--	--	--	--	--	--	00.09M	--
C31150.00	06-15-67	5050	0002.M	--	--	--	--	--	--	--	--	--	--
C31150.00	09-03-67	5050	--	000.0M	--	--	--	--	--	--	--	00.14M	--
C51350.00	10-03-66	5050	0004.M	--	--	--	--	--	--	--	--	--	--
C51350.00	01-04-67	5050	0400.M	--	--	--	--	--	--	--	--	--	--
C51350.00	05-11-67	5050	0025.M	000.0M	--	--	--	--	--	--	--	00.25M	--
C51350.00	07-25-67	5050	0005.M	--	--	--	--	--	--	--	--	--	--
C51350.00	09- -67	5050	--	000.0M	--	--	--	--	--	--	--	00.11M	--
C51500.00	01-04-67	5050	0015.M	--	--	--	--	--	--	--	--	--	--
C51500.00	05-11-67	5050	0030.M	000.0M	--	--	--	--	--	--	--	00.21M	--
C51500.00	07-25-67	5050	0002.M	--	--	--	--	--	--	--	--	--	--
C51500.00	09- -67	5050	--	000.0M	--	--	--	--	--	--	--	00.04M	--

APPENDIX E
GROUND WATER QUALITY

INTRODUCTION

Appendix E summarizes the ground water quality data for the San Joaquin Valley for the 1967 water year (October 1, 1966 through September 30, 1967). These data were obtained from analyses of water samples from approximately 300 wells.

Laboratory analyses of ground water samples reported herein were performed in accordance with the 12th Edition of "Standard Methods for the Examination of Water and Waste Water".

A complete description of the State Well Numbering System, used in this report to indicate the location of the wells sampled, is contained in Appendix C, "Ground Water Data", page 157.

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

This table presents data resulting from the collection and analysis of ground water by various laboratories and agencies cooperating with this program. The code numbers listed below will identify these program cooperators as they appear in this tabulation.

5000	U. S. Geological Survey Laboratory	5207	City of Firebaugh
5050	State Department of Water Resources	5521	Modesto Irrigation District
5055	State Water Quality Control Board	5702	Individual Property Owner
5060	State Department of Public Health	5703	Valley Waste Disposal Company
5070	State Division of Forestry	5802	Twining Laboratory
5121	Kern County Water Agency	5803	Hornkohl Laboratory
5203	City of Modesto	5806	B. C. Laboratory

The following are definitions and chemical symbols used in this table.

Chemical Symbols

K	Potassium	B	Boron
MG	Magnesium	CA	Calcium
NA	Sodium	CL	Chloride
N03	Nitrate	C03	Carbonate
SI02	Silica	F	Fluoride
S04	Sulfate	HC03	Bicarbonate

Abbreviations

EC	Electrical Conductance	TDS	Total Dissolved Solids
FLD	Field Determination	TEMP	Temperature
LAB	Laboratory	TH	Total Hardness
NCH	Non Carbonate Hardness		

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE LAH TIME SAMPLER	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN			MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
			CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	TH NCH	
035/09F-20001 M 10/24/66 5050 1550	--	8.5	340	33	12	23	2.6	5.0	163	7.9	14	20	--	0.0	--	259	134
				1.65 44	.99 27	1.00 27	.07 2	.17 5	2.67 72	.16 4	.39 11	.32 9				197	0
035/09F-29002 M 05/02/67 5050 1000	68.0F 7.5	413 380	37 1.85	12 .99	24 1.04	--	--	0.0 2.98	182	--	22	14	--	--	--	--	143
											.62	.23					0
045/06F-08L02 M 03/28/67 5050 1715	--	7.3	658 620	50 2.50	20 1.64	50 2.19	--	0.0 3.39	207 3.08	--	22 .62	--	--	0.8	--	--	207 38
045/06F-26801 M 03/31/67 5050 1000	--	7.5	791 785	34 1.70	18 1.48	91 3.96	--	0.0 3.08	188	--	74 2.09	--	--	2.1	--	--	161 7
045/07F-27A02 M 03/08/67 5050 1545	--	7.8	2780 2550	110 5.49	176 14.47	200 8.70	--	0.0 7.36	449	--	472 13.31	57	--	--	--	--	1000 633
045/09F-01C01 M 10/04/66 5050	--	7.8	2590	154 7.68	101 8.30	165 7.18	9.0 .23	0.0 2.57	157	60	686	43	--	0.1	--	1590	801
				33 43	35 24	31 32	1 1	11 57	1.25 .85	19.35 8	.69 15	.69 11				1295	673
045/09F-08A01 M 10/26/66 5050 1400	67.0F 7.7	559 535	47 2.35	16 1.32	41 1.78	1.7 .04	13 .8	192	22	30	36	43	--	0.0	--	329	183
				43	24	32	1	57	.46	.85	.60	.60				302	4
045/09F-08G01 M 10/25/66 5050	67.0F 7.6	591 615	34 1.70	18 1.48	92 2.26	2.2 .06	4.0 .13	190	27	36	36	43	--	0.1	--	342	159
				31	27	41	1	57	.56	1.02	.69	.69				309	0
045/09F-08K01 M 10/26/66 5050 1430	66.0F 7.8	423 410	35 1.75	13 1.07	28 1.22	1.4 .04	5.0 .17	173	27	12	12	17	--	0.0	--	262	141
				43	26	30	1	68	.56	.34	.27	.27				223	0
045/09F-09B01 M 10/25/66 5050 1100	67.0F 7.7	233 270	14 .70	5.1 .42	24 1.04	0.8 .02	0.0 1.56	95	9.2	10	14	14	--	0.1	--	164	56
				32	19	48	1	69	.19	.28	.23	.23				124	0

TABLE E-1
MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMREP DATE LAH TIME SAMPLER	TEMP	PH LAR FLD	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02		
02S/04F-03E02 M 04/04/47 5050 1400	--	7.7	4070 3475	126	116	570	--	0.0	256	--	784	--	6.3	--	--	792	582
02S/04F-13N01 M 04/06/47 5050 1100	--	7.0	2340 1890	150	83	185	--	0.0	91	--	512	--	0.8	--	--	716	642
02S/04F-28H01 M 04/27/47 5050 1245	--	7.6	3000 2500	207	105	444	--	0.0	272	--	305	--	5.5	--	--	949	727
02S/10F-14F01 M 05/02/47 5050 1215	67.1F	8.1 7.4	231 190	22	9.2	11	--	0.0	108	--	7.4	9.5	--	--	--	93	5
03S/04F-02P01 M 06/15/47 5050 1100	--	7.8	3230 2700	162	80	464	--	0.0	88	--	272	--	4.5	--	--	734	663
03S/05F-26N01 M 05/17/47 5050 1600	--	7.5	1740 1415	142	46	180	--	0.0	203	--	98	--	1.2	--	--	544	378
03S/05F-36R01 M 05/17/47 5050 1800	--	7.0	646 560	42	18	53	--	0.0	111	--	77	--	0.3	--	--	179	88
03S/06F-30E01 M 06/12/47 5050 1100	--	7.2	1680 1445	117	30	160	--	0.0	171	--	390	--	0.8	--	--	416	276
03S/06F-32L01 M 06/12/47 5050 1400	--	7.2	838 800	65	23	73	--	0.0	215	--	53	--	1.0	--	--	257	81
03S/09F-17N01 M 10/26/46 5050 1500	66.0F	8.1 7.6	616 640	57	16	38	3.0	0.0	263	26	16	30	0.1	--	363	210	0
03S/09F-19R01 M 10/25/46 5050 1430	66.0F	8.4 7.5	483 550	27	21	34	3.2	3.0	198	21	12	37	0.1	--	298	154	0

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER		
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI02	TDS SUM	TH NCH			
04S/09F-09B02 M	67.0F	8.5	358	10	17	32	1.8	4.0	136	10	20	17	--	0.0	--	232	94			
10/25/66 S050		7.6	340	.50	1.40	1.39	.05	.13	2.23	.21	.56	.27				178	0			
1050				15	42	42	1	4	66	6	16	8								
04S/09F-09D01 M	66.8F	8.6	432	27	8.1	48	1.5	7.0	177	18	13	23	--	0.1	--	278	101			
10/25/66 S050		7.6	410	1.35	.67	2.09	.04	.23	2.90	.37	.37	.37				232	0			
1030				33	16	50	1	5	68	9	9	9								
04S/09F-09Q01 M	68.0F	8.4	386	25	9.6	38	--	9.0	124	--	20	21	--	--	--	--	102			
05/02/67 S050		7.4	330	1.25	.79	1.65	--	.30	2.03	--	.56	.34					0			
1030																				
05S/08F-07H01 M	--	8.0	2150	92	121	182	--	0.0	483	--	343	--	--	0.4	--	--	728			
07/25/67 S050			1765	4.59	9.95	7.92	--		7.92	--	9.67	--					332			
1100																				
05S/08F-08G01 M	--	7.6	1830	80	99	167	--	0.0	393	--	215	--	--	0.6	--	--	607			
07/25/67 S050			1435	3.99	8.14	7.26	--		6.45	--	6.06	--					285			
1305																				
05S/08F-17J01 M	--	7.7	1980	104	108	160	--	0.0	349	--	297	--	--	0.6	--	--	704			
07/26/67 S050			1665	5.19	8.88	6.96	--		5.72	--	8.38	--					416			
0900																				
05S/08F-22C02 M	--	7.8	2220	106	73	346	--	0.0	382	--	232	--	--	1.4	--	--	565			
07/28/67 S050			1725	5.29	6.00	15.05	--		6.26	--	6.54	--					252			
1451																				
05S/08F-27M01 M	--	7.5	1380	85	54	136	--	0.0	194	--	44	--	--	0.4	--	--	434			
07/31/67 S050			1350	4.24	4.44	5.92	--		3.18	--	1.24	--					275			
0830																				
05S/08F-30Q01 M	--	8.4	1700	97	66	175	--	8.0	222	--	240	22	--	--	--	--	515			
05/02/67 S050		7.3	1600	4.84	5.43	7.61	--	.27	3.64	--	6.77	.35					320			
0900																				
05S/08F-33E01 M	--	7.6	3200	187	128	331	--	0.0	369	--	546	--	--	1.2	--	--	994			
08/02/67 S050			2650	9.33	10.52	14.40	--		6.05	--	15.40	--					692			
0915																				
05S/08F-36N01 M	--	7.5	1630	115	53	154	--	0.0	262	--	181	--	--	0.5	--	--	506			
08/02/67 S050			1300	5.74	4.36	6.70	--		4.30	--	5.10	--					291			
1105																				
05S/10F-13K01 M	69.8F	8.4	181	13	3.5	17	2.8	2.0	83	2.3	6.5	5.0	--	0.0	--	156	47			
05/01/67 S050		7.5	160	.65	.29	.74	.07	.07	1.36	.05	.18	.08				93	0			
1710				.97	.17	.42	.4	.4	.78	.3	.10									

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO3	HC03	SD4	CL	N03	F	B	SI02
06S/07F-01R01 M 07/05/67 5050 0900	--	8.1	1840 1525	116 5.79	75 6.17	175 7.61	--	0.0	179 2.94	--	142 4.00	--	0.6	--	598 451
06S/07F-12P01 M 06/29/67 5050 1000	--	7.9	3650 2900	91 4.54	225 18.50	444 19.31	--	0.0	167 2.74	--	127 3.58	--	1.8	--	1150 1014
06S/07F-13R01 M 06/29/67 5050 0900	--	7.8	2500 2100	76 3.79	121 9.95	322 14.01	--	0.0	191 3.13	--	80 2.26	--	--	--	688 532
06S/07F-15G01 M 06/29/67 5050 1230	--	7.5	6690 5060	279 13.92	416 34.20	901 39.19	--	0.0	95 1.56	--	242 6.82	--	2.2	--	2410 2334
06S/07F-17E01 M 07/07/67 5050 1130	--	8.3	636 590	25 1.25	35 2.88	51 2.22	--	0.0	180 2.95	--	42 1.18	--	0.3	--	207 60
06S/07F-22R01 M 07/05/67 5050 1030	--	8.0	4830 3670	362 18.06	286 23.51	486 21.14	--	0.0	91 1.49	--	102 2.88	--	1.8	--	2080 2007
06S/07F-24E01 M 06/28/67 5050 1800	--	7.4	2150 1815	180 8.98	94 7.73	180 7.83	--	0.0	103 1.69	--	54 1.52	--	0.7	--	836 752
06S/07F-26K01 M 06/28/67 5050 1800	--	7.6	1740 1435	114 5.69	108 8.88	118 5.13	--	0.0	104 1.71	--	102 2.88	--	0.2	--	729 644
06S/07F-34K01 M 06/28/67 5050 1930	--	8.0	4580 3600	389 19.41	207 17.02	504 21.92	--	0.0	95 1.56	--	132 3.72	--	1.8	--	1820 1743
06S/08F-03J01 M 07/19/67 5050 1600	--	8.3	1060 965	58 2.89	40 3.29	107 4.65	--	0.0	165 2.71	--	52 1.47	--	0.5	--	309 174
06S/09F-07J01 M 07/06/67 5050 1500	--	8.2	1070 915	14 0.70	71 5.84	109 4.74	--	0.0	315 5.17	--	84 2.37	--	0.6	--	327 69
06S/09F-29R02 M 07/06/67 5050 1600	--	8.1	878 835	33 1.65	46 3.78	79 3.44	--	0.0	182 2.98	--	48 1.35	--	0.4	--	272 123

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER			
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂	TDS SUM	TH NCH	
06S/20F-01Q01 M 02/16/47 5050 1200 5050	63.0F	7.9	1040	58	1.3	132	2.4	0.0	0.0	73	11	260	0.5	--	0.4	--	557	150
			1200	2.89	.11	5.74	.06			1.20	.23	7.33	.01				501	90
				33	1	65	1			14	3	84						
06S/20F-10L01 M 02/14/47 5000 5000	58.0F	7.4	5450	349	6.3	748	8.5	0.0	0.0	122	10	1740	0.3	--	1.9	50	--	907
				17.42	.52	32.54	.22			2.00	.21	49.07					3034	708
				34	1	64				4		96						
06S/20F-10L01 M 03/14/47 5050 5050	--	7.7	5750	344	4.6	754	10	0.0	0.0	117	38	1770	0.1	--	1.9	--	3020	878
				17.17	.38	32.80	.26			1.92	.79	49.91					2980	783
				34	1	65	1			4	2	95						
06S/21F-36L01 M 03/15/47 5050 5050	59.0F	7.5	3130	168	2.1	422	7.2	0.0	0.0	34	40	942	0.2	--	1.7	--	1750	428
			2500	8.38	.17	18.36	.18			.56	.83	26.56					1600	400
				31	1	68	1			2	3	95						
07S/08F-14A01 M 10/19/46 5050 1115 5000	--	8.3	1690	141	--	94	--	0.0	0.0	569	--	162	--	--	0.3	--	--	681
				7.04	--	4.09	--			9.33	--	4.57					--	215
07S/08F-18R01 M 10/20/46 5050 0930 5000	--	8.1	894	68	--	48	--	0.0	0.0	349	--	24	--	--	0.3	--	--	369
				3.39	--	2.09	--			5.72	--	.68					--	83
07S/08F-19K01 M 10/20/46 5804 5090	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07S/08F-22L02 M 10/20/46 5804 5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07S/08F-25C01 M 10/20/46 5804 5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07S/09F-22P01 M 10/07/46 5050 1400 5050	--	8.1	2470	83	--	352	--	0.0	0.0	144	--	359	--	--	2.7	--	--	401
				4.14	--	15.31	--			2.36	--	10.12					--	283
07S/09F-23N03 M 10/07/46 5050 1030 5000	--	8.0	2000	63	--	312	--	0.0	0.0	160	--	228	--	--	2.5	--	--	284
				3.14	--	13.57	--			2.62	--	6.43					--	153
07S/09F-27P01 M 10/07/46 5050 0845 5000	--	8.3	2700	107	--	340	--	0.0	0.0	166	--	319	--	--	1.3	--	--	610
				5.34	--	14.79	--			2.72	--	9.00					--	474

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATF WELL NUMBER DATE LAB TIME SAMPLER	PH LAB FLD	TEMP	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN						MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SUM			
								CO3	HCO3	SO4	CL	NO3	F	B	SI02	TH	NCH				
07S/09F-31G01 M 11/02/66 5050 1030	7.7	66.0F	1330	104	--	11R	--	0.0	318	--	136	--	0.6	--	--	431	170				
				5.19	--	5.13		5.22		3.84											
07S/09F-32L01 M 11/04/66 5050 0900	7.8	66.0F	1050	82	--	9A	--	0.0	268	--	86	--	0.5	--	--	347	127				
				4.09	--	4.18		4.40		2.43											
07S/09F-33D01 M 10/26/66 5050 1030	8.3	--	3340	368	--	285	--	0.0	360	--	206	--	1.6	--	--	1440	1146				
				14.36	--	12.40		5.90		5.81											
07S/14F-30E02 M 05/01/67 5050 1530	8.3	69F	376	30	15	21	5.0	0.0	172	12	16	13	0.0	--	267	137	0				
				1.50	1.23	.91	.13	2.82	.25	.45	.21	.21	0.2	--	196	0					
				40	33	24	3	76	7	12	6										
07S/19F-23M0 03/14/67 5050 5050	7.9	--	1290	91	8.1	137	3.6	0.0	146	11	306	0.2	0.2	--	685	261	142				
				4.54	.67	5.94	.09	2.39	.23	8.63					629						
				40	6	53	1	21	2	77											
07S/20F-01N0 02/18/67 5000	8.1	66.6F	713	35	1.2	104	1.2	0.0	102	9.0	60	0.1	0.4	0.5	28	92	9				
				1.75	.10	4.52	.03	1.67	.19	1.69					290						
				27	2	71		.47	5	47											
08S/08F-01N01 M 12/19/66 5050 1430	7.8	63.9F	665	51	23	55	--	0.0	199	--	33	--	--	--	--	220	57				
				790	2.54	1.89	2.39	3.26		.93											
08S/08F-21A03 M 12/22/66 5050 1700	7.4	78.5F	1740	90	41	184	--	0.0	265	--	120	2.7	--	--	--	392	175				
				1950	4.49	3.37	8.00	4.35		3.38		.04									
08S/08F-25A01 M 12/22/66 5050 1250	7.6	59.0F	823	75	32	41	--	0.0	266	--	84	--	--	--	--	319	101				
				810	3.74	2.63	1.74	4.36		2.37											
08S/09F-02P01 M 10/04/66 5050 1225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
08S/09F-03M01 M 10/07/66 5804 1230 5000	71.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08S/09F-04F01 M 10/25/66 5050 1630 5000	--	7.9	1280	81	--	105	--	0.0	323	--	103	--	2.90	--	0.7	--	417 152
08S/09F-04G01 M 10/26/66 5404 1200 5000	63.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08S/09F-06P01 M 10/26/66 5050 1400 5000	--	8.2	1360	99	4.94	119	5.19	0.0	418	6.86	133	3.75	--	0.5	--	410 67	
08S/09F-08E01 M 10/00/66 5050 1320 5000	--	8.4	945	32	1.60	73	3.18	3.0	128	2.10	124	3.50	--	0.4	--	271 161	
08S/09F-08G02 M 11/04/66 5050 1400 5000	70.0F	7.6	1020	59	2.94	120	5.22	0.0	255	4.18	95	2.68	--	0.6	--	243 34	
08S/09F-08N01 M 10/27/66 5050 0900 5000	66.0F	7.5	980	79	3.94	83	3.61	0.0	326	5.35	89	2.51	--	0.6	--	322 55	
08S/09F-10L01 M 10/25/66 5050 1100 5000	66.0F	8.2	747	55	2.74	62	2.70	0.0	228	3.74	23	.65	--	0.3	--	222 35	
08S/09F-11H01 M 10/03/66 5404 5000	74.6F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08S/09F-13C01 M 10/06/66 5050 1600 5000	--	8.2	2800	72	3.59	435	18.92	0.0	134	2.20	433	12.21	--	2.5	--	328 218	
08S/09F-14H01 M 10/06/66 5050 5000	--	8.6	8320	95	4.74	1330	57.84	14	244	4.00	1610	45.40	--	3.6	--	330 107	
08S/09F-16M01 M 12/01/66 5050 0930 5000	66.0F	7.6	1110	84	4.19	111	4.83	0.0	315	5.17	90	2.54	--	0.8	--	375 117	

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			TDS SUM	TH NCH
								CO3	HCO3	SO4	CL	N03	F	B	SI02		
08S/09F-19D01 M 11/03/66 5050 1600 5000	68.0F	7.6	789	77	--	51	--	0.0	269	--	75	--	0.3	--	--	313	93
				3.84		2.22		4.41		2.12							
08S/09F-21A01 M 12/01/66 5050 1100 5000	66.0F	7.6	3110	115	--	474	--	0.0	529	--	372	--	2.8	--	--	633	199
				5.74		20.62		8.68		10.49							
08S/09F-30N01 M 11/03/66 5050 1730 5000	65.0F	7.4	1360	83	--	123	--	0.0	362	--	141	--	1.0	--	--	453	156
				4.14		5.35		5.94		3.98							
08S/09F-31M01 M 12/22/66 5050 1045 5000	64.0F	7.6	2430	156	82	266	--	0.0	245	--	142	20	--	--	--	728	527
				7.78	6.74	11.57		4.02		4.00	32						
09S/09F-11E01 M 12/07/66 5050 1600 5000	60.0F	7.8	4730	455	290	825	--	0.0	187	--	307	183	--	--	--	2330	2178
				6690	22.70	23.84	35.89	3.07		8.66	2.95						
09S/09F-14E02 M 12/07/66 5050 1300 5000	68.0F	8.0	1630	70	50	194	--	0.0	390	--	217	19	--	--	--	383	63
				1800	3.49	4.11	8.44	6.40		6.12	31						
09S/09F-07J01 M 04/02/67 5050 1200 5000	62.0F	7.8	1010	78	37	75	--	0.0	325	--	112	--	--	--	--	349	83
				950	3.89	3.04	3.26	5.33		3.16							
09S/09F-07K01 M 04/02/67 5050 1330 5000	68.4F	7.8	1580	112	59	133	--	0.0	443	--	216	--	--	--	--	521	158
				1505	5.59	4.85	5.79	7.27		6.09							
09S/09F-36E01 M 04/02/67 5050 1730 5000	64.0F	7.4	731	40	23	64	--	0.0	192	--	92	--	--	--	--	195	38
				745	2.00	1.89	2.74	3.15		2.59							
10S/09F-05C01 M 11/10/66 5050 1100 5000	71.4F	7.2	1290	53	--	162	--	0.0	281	--	193	--	1.2	--	--	268	38
				2.64		7.05		4.61		5.44							
10S/09F-30S01 M 11/22/66 5050 1300 5000	--	8.2	1740	53	66	206	--	0.0	340	--	232	76	--	--	--	403	124
				1890	2.64	5.43	8.96	5.58		6.54	1.22						
10S/10F-03L01 M 10/27/66 5050 1000 5000	--	8.6	2970	140	--	372	--	34	757	--	316	--	3.2	--	--	806	129
				6.99		16.14		1.13	12.41		8.91						

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STAFF WELL NUMBER DATE TIME	TEMP	PH LAH FLD	EC LAR FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER TDS SUM				
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TH	NCH					
10S/10F-14P01 M 10/28/66 5050 1400 5000	--	7.2	1210 1300	57 2.84	33 2.71	134 6.00	--	0.0	152 2.49	--	141 3.98	4.0 .06	--	--	--	--	--	--	280 156			
10S/10F-14Q01 M 10/28/66 5050 1315 5000	70.2F	7.6	820 870	54 2.69	33 2.71	64 2.78	--	0.0	246 4.03	--	86 2.43	--	--	--	--	--	--	--	272 71			
10S/10F-18A01 M 11/03/66 5050 1100 5000	69.8F	7.0	803	54 2.59	--	63 2.74	--	0.0	233 3.82	--	83 2.34	--	--	--	--	0.7	--	--	256 65			
10S/10F-19P01 M 11/02/66 5050 1400 5000	--	7.3	1550	94 4.69	--	147 6.39	--	0.0	394 6.46	--	195 5.50	--	--	--	2.4	--	--	--	461 138			
10S/10F-22H01 M 05/01/67 5050 1330 5050	67.1F	8.2 7.2	1080 1000	73 3.64 33	44 3.62 33	86 3.74 34	2.5 .06 1	0.0	309 5.07 46	102 2.12 19	132 3.72 34	4.1 .07 1	--	--	0.4	--	--	632 595	363 110			
10S/10F-22J01 M 11/03/66 5050 0830 5000	--	7.5	1550	117 5.84	--	129 5.61	--	0.0	528 8.66	--	174 4.91	--	--	--	1.2	--	--	--	558 125			
10S/10F-22N01 M 11/03/66 5050 0935 5000	--	7.4	1330	114 5.69	--	110 4.79	--	0.0	462 7.58	--	130 3.67	--	--	--	1.0	--	--	--	504 125			
10S/10F-23E01 M 10/28/66 5050 1100 5000	79.4F	7.4	617 702	40 2.00	23 1.89	50 2.14	--	0.0	212 3.48	--	53 1.49	6.8 .11	--	--	0.5	--	--	--	194 20			
10S/10F-25R01 M 11/03/66 5050 1145 5000	--	7.5	774	46 2.30	--	74 3.22	--	0.0	194 3.18	--	90 2.54	--	--	--	0.9	--	--	--	214 55			
10S/10F-32P01 M 11/09/66 5050 1200 5000	--	7.5	750	50 2.50	--	68 2.96	--	0.0	222 3.64	--	76 2.14	--	--	--	0.9	--	--	--	233 51			
10S/10F-34C01 M 11/09/66 5050 1400 5000	--	7.5	1000	93 4.64	--	47 2.04	--	0.0	317 5.20	--	113 3.19	--	--	--	0.4	--	--	--	419 159			
10S/11F-03G02 M 10/28/66 5050 1335 5000	65.8F	7.9	2690 500	93 4.64	67 5.51	376 16.36	--	0.0	308 5.05	--	578 16.30	--	--	--	--	--	--	--	508 256			

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE DATE TIME	WELL LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MILLIGRAMS PER LITER											TOS SUM	TH NCH	
					CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	8			SI02
10S/11F-13M01 M		--	7.9	1780	82	41	25H	--	0.0	590	--	168	--	--	--	--	--	373
12/08/66 5050				1750	4.09	3.37	11.22			9.68		4.74						0
1200																		
10S/11F-21001 M		--	7.6	3260	59	58	570	--	0.0	201	--	389	--	5.0	--	--	--	386
11/09/66 5050				3375	2.94	4.77	24.80			3.30		10.97						221
1145																		
10S/11F-33H02 M		--	8.2	1650	31	22	275	--	0.0	235	--	104	--	3.4	--	--	--	166
11/08/66 5050				1730	1.55	1.81	11.96			3.85		2.93						0
1550																		
10S/12F-06F01 M		--	7.5	777	44	24	68	--	0.0	196	--	102	--	--	--	--	--	210
11/29/66 5050				890	2.20	1.97	2.96			3.21		2.88						50
1420																		
10S/12F-13L01 M		64.8F	7.6	721	30	9.2	97	--	0.0	162	--	102	--	--	--	--	--	113
10/21/66 5050				783	1.50	.76	4.22			2.66		2.88						0
1300																		
10S/12F-19001 M		--	8.1	1390	67	--	151	--	0.0	201	--	275	--	0.3	--	--	--	318
10/24/66 5050					3.34		6.57			3.30		7.76						153
1000																		
10S/12F-19R01 M		--	8.0	1800	89	--	200	--	0.0	206	--	393	--	0.4	--	--	--	401
10/24/66 5050					4.44		8.70			3.38		11.08						232
1200																		
10S/12F-21C01 M		--	7.2	421	24	12	46	--	0.0	209	--	14	--	--	--	--	--	108
10/24/66 5050				500	1.20	.99	2.00			3.43		.39						0
1300																		
10S/13F-05L01 M		--	8.5	638	20	--	84	--	6.0	123	--	103	--	0.0	--	--	--	106
10/07/66 5050					1.00		3.65		.20	2.02		2.90						0
1100																		
10S/13F-05P01 M		--	8.3	752	46	--	51	--	0.0	109	--	141	--	0.0	--	--	--	225
10/07/66 5050					2.30		2.22			1.79		3.98						136
1230																		
10S/13F-08R01 M		--	7.8	2160	169	--	118	--	0.0	47	--	592	--	0.0	--	--	--	683
10/07/66 5050					8.43		5.13			.77		16.69						645
1345																		
10S/13F-17001 M		--	8.5	768	35	--	100	--	7.0	171	--	127	--	0.0	--	--	--	138
10/07/66 5050				740	1.75		4.35		.23	2.80		3.58						0
1530																		

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE DATE TIME	WELL NUMBER LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SiO ₂	TDS SUM
10S/13F-27001 M	10/18/66 5050 1150	--	8.3	810 740	45 4.24	--	48 2.09	--	0.0	323 5.30	--	61 1.72	--	0.0	--	--	301 36
10S/13F-28C02 M	10/00/66 5050 1335	--	8.1	1370 1260	158 7.88	--	49 2.13	--	0.0	284 4.66	--	201 5.67	--	0.0	--	--	564 331
10S/21F-26C01 M	05/02/67 5050 0945	70.0F	8.4	362	37 1.85	15 1.23	10 .44	--	4.0 .13	184 3.02	--	5.1 .14	2.9 .05	--	--	--	154 0
11S/10F-01E01 M	03/07/67 5050 1600	71.2F	7.9	977 945	43 2.15	26 2.14	118 5.13	--	0.0	209 3.43	--	97 2.74	12 .19	--	--	--	214 43
11S/10F-01N01 M	03/07/67 5050 1500	68.2F	7.9	1780 1740	73 3.64	49 4.03	235 10.22	--	0.0	306 5.02	--	138 3.89	15 .24	--	--	--	386 135
11S/10F-04E01 M	03/08/67 5050 1630	65.8F	7.8	1500 1405	115 5.74	62 5.10	94 4.09	--	0.0	422 6.92	--	192 5.41	--	0.8	--	--	543 197
11S/10F-04N01 M	03/07/67 5050 0900	67.6F	8.0	2090 1955	157 7.83	71 5.84	190 8.27	--	0.0	298 4.89	--	350 9.87	--	--	--	--	683 439
11S/10F-05G01 M	03/07/67 5050 1000	67.8F	7.6	1160 1060	63 3.14	40 3.29	100 4.35	--	0.0	232 3.80	--	178 5.02	--	--	--	--	321 131
11S/10F-24N01 M	12/08/66 5050 1600	--	7.3	6040	506 25.25	242 19.89	550 23.93	--	0.0	110 1.80	--	1060 29.89	100 1.61	2.0	--	--	2260 2172
11S/11F-05002 M	11/14/66 5050 1500	--	7.2	978 1000	25 1.25	--	146 6.35	--	0.0	230 3.77	--	86 2.43	--	1.3	--	--	166 0
11S/11F-05001 M	11/14/66 5050 1300	--	7.2	7810 6480	96 4.79	--	1420 61.77	--	0.0	221 3.62	--	1150 32.43	--	5.3	--	--	1360 1180
11S/11F-09M01 M	11/17/66 5050 1330	--	6.9	5620 3590	234 11.68	--	851 37.02	--	0.0	135 2.21	--	1200 33.84	--	5.7	--	--	1040 930

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	B	SI02		
11S/11F-12J01 M 10/14/66 5050 1010	--	6.9	5360 4120	626 31.24	--	614 26.71	--	0.0	556 9.12	--	682 19.23	--	6.9	--	--	1970 1515	
11S/11F-16001 M 11/22/66 5050 1100	--	6.9	2570 2030	99 4.94	--	344 14.96	--	0.0	128 2.10	--	469 13.23	--	3.8	--	--	469 364	
11S/11F-19801 M 11/21/66 5050 1130	--	7.9	1250 1150	43 2.15	--	188 8.18	--	0.0	265 4.35	--	165 4.65	--	1.4	--	--	216 0	
11S/11F-31601 M 11/21/66 5050 1255	--	7.1	2760 2270	104 5.19	--	418 18.14	--	0.0	151 2.48	--	461 13.00	--	3.7	--	--	482 358	
11S/11F-33602 M 11/18/66 5050 1430	--	7.2	823 800	72 3.59	--	77 3.35	--	0.0	127 2.08	--	103 2.90	--	0.6	--	--	217 113	
11S/17F-23J01 M 05/01/67 5050 1100	68.9F	8.2 7.1	227 210	18 0.90 42	4.6 0.38 1.8	14 0.74 3.6	3.2 0.8 4	0.0	90 1.48 6.3	5.4 0.11 5	19 0.54 2.3	13 0.21 9	0.0	--	190 125	64 0	
11S/18F-10001 M 12/14/66 5050 1030	56.0F	8.1 7.0	319 260	26 1.30 45	6.8 0.56 1.9	23 1.00 3.4	1.9 0.05 2	0.0	109 1.79 6.0	0.2 1.16 3.9	41 1.16 3.9	0.7 0.01	0.1	--	187 153	93 4	
12S/11F-12H01 M 11/22/66 5050 1410	--	7.5	1440 1150	40 2.00	--	264 11.66	--	0.0	268 4.40	--	79 2.23	--	2.6	--	--	155 0	
12S/20F-32J01 M 03/20/67 5061 5061	--	7.6	--	7.0 0.35	10 0.86	--	--	--	--	--	7.0 0.20	9.2 0.15	--	--	--	140 0	
12S/20F-33M02 M 03/20/67 5061 5061	--	7.5	--	8.0 0.40	10 0.86	1.5 0.07	--	--	--	--	13 0.37	29 0.47	--	--	170	70 0	
13S/15F-30H01 M 11/03/66 5050 5061	--	8.4	556	6.2 0.31 6	0.6 0.05 1	1.07 4.65 1.92	1.1 0.03 1	4.0 0.13 3	160 2.62 5.1	12 0.25 5	75 2.12 4.1	0.6 0.01	0.4	--	325 285	18 0	
13S/15F-30H04 M 11/03/66 5050 5061	--	8.7	565	7.0 0.35 7	2.1 0.17 3	1.09 4.70 9.0	0.9 0.02	9.0 0.30 6	157 2.57 4.9	15 0.31 6	72 2.03 3.9	0.4 0.01	0.3	--	323 292	26 0	

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH	
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	B	SI0 ₂			
13S/20F-03C01 M 03/06/67 5061	--	7.6	--	--	11 .90	1.3 .06	--	--	--	3.0 .06	11 .31	10 .17	--	--	--	--	179	70
13S/20F-10K01 M 03/20/67 5061	--	7.6	--	--	10 .86	15 .65	0.5 .01	--	--	2.0 .04	6.0 .17	12 .20	--	--	--	--	92	61
13S/20F-16L01 M 03/15/67 5061	--	7.6	--	--	11 .90	11 .48	0.6 .02	--	--	2.0 .04	7.0 .20	14 .23	0.18	--	--	--	--	86
13S/20F-16R01 M 03/06/67 5061	--	7.4	--	--	11 .90	1.7 .07	--	--	--	7.6 .16	10 .28	15 .24	--	--	--	--	--	72
13S/20F-17A01 M 03/20/67 5061	--	7.5	--	--	12 .99	1.0 .44	0.6 .02	--	--	2.0 .04	8.0 .23	9.7 .16	0.22	--	--	--	--	90
13S/20F-21F01 M 03/15/67 5061	--	7.5	--	--	--	8.0 .35	0.5 .01	--	--	5.0 .10	8.0 .23	9.2 .15	0.22	--	--	--	--	74
13S/20F-25E02 M 03/20/67 5061	--	7.5	--	--	23 1.93	24 1.22	1.1 .03	--	--	2.1 .04	4.0 .11	52 .85	--	--	--	--	--	160
13S/20F-26C01 M 03/06/67 5061	--	7.5	--	--	14 .23	2.0 .87	0.6 .02	--	--	13 .27	4.0 .11	18 .29	--	--	--	--	200	80
13S/20F-26L01 M 03/06/67 5061	--	7.5	--	--	13 1.07	27 1.17	0.8 .02	--	--	25 .52	10 .28	33 .53	--	--	--	--	306	158
13S/20F-28C01 M 03/15/67 5061	--	7.6	--	--	9.0 .74	6.0 .26	0.5 .01	--	--	7.0 .15	5.0 .14	10 .16	--	--	--	--	--	88
13S/20F-36D01 M 03/06/67 5061	--	7.8	--	--	9.0 .74	8.0 .35	0.3 .01	--	--	3.5 .07	3.0 .08	8.0 .13	--	--	--	--	118	52
13S/20F-36K01 M 03/15/67 5061	--	7.4	--	--	16 .80	33 2.75	27 1.17	--	--	30 .62	15 .42	62 1.01	--	--	--	--	--	240

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WFL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SUM					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TH NCH	
135/21F-07602 M 03/20/67 5061 5061	--	7.5	--	9.0	18	21	0.5	--	--	12	10	25	0.28	--	--	--	125
				.45	1.52	.91	.01			.25	.28	.41					
135/21F-20001 M 01/06/67 5050 5050	--	8.7	846	48	--	--	--	13	199	--	42	135	--	--	--	--	240
				2.40				.43	3.26		1.18	2.17					56
135/21F-20002 M 01/06/67 5050 5050	--	8.6	677	26	--	--	--	7.0	168	--	44	61	--	--	--	--	176
				1.30				.23	2.76		1.24	.98					27
135/21F-30E02 M 03/06/67 5061 5061	--	7.7	--	8.0	23	24	0.6	--	--	15	6.0	31	--	--	--	252	110
				.40	1.89	1.04	.02			.31	.17	.50					
135/21F-31E02 M 03/15/67 5061 5061	--	7.8	--	6.0	31	14	0.5	--	--	15	15	24	0.18	--	--	--	152
				.30	2.55	.61	.01			.31	.42	.39					
135/21F-31E02 M 05/02/67 5050 1430 5061	68.0F	8.5	401	30	17	23	--	6.0	186	--	9.9	18	--	--	--	--	145
				1.50	1.40	1.00		.20	3.05		.28	.29					0
135/21F-31E01 M 03/20/67 5061 5061	--	7.6	--	11	31	23	0.7	--	--	26	17	23	0.18	--	--	--	190
				.55	2.55	1.00	.02			.54	.48	.38					
135/21F-31E01 M 05/02/67 5050 0945 5061	--	8.4	425	32	18	24	--	4.0	206	--	12	13	--	--	--	--	156
				1.60	1.48	1.04		.13	3.38		.34	.21					0
135/21F-31E01 M 03/20/67 5061 5061	--	7.4	--	20	40	43	--	--	--	52	22	55	--	--	--	--	280
				1.00	3.29	1.87				1.08	.62	.90					
145/19F-07401 M 03/15/67 5061 5061	--	--	--	1.0	42	14	0.9	--	--	12	5.0	20	--	--	--	--	230
				.50	3.45	.79	.02			.25	.14	.32					
145/19F-14401 M 01/06/67 5050 5050	--	8.5	570	34	--	--	--	4.0	124	--	24	92	--	--	--	--	184
				1.90				.13	2.03		.68	1.48					76
145/19F-21401 M 03/20/67 5061 5061	--	6.9	--	25	50	71	1.2	--	--	29	53	33	0.2	--	--	--	365
				1.25	4.11	3.09	.03			.60	1.49	.54					

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	N03	F	H	SI02	TDS SUM	TH NCH
145/19F-22P01 M 03/20/67 5061 5061	--	7.3	--	30	56	91	1.2	--	--	33	54	36	0.24	--	--	--	400
145/20F-08A01 M 03/15/67 5061 5061	--	7.4	--	10	44	14	1.0	--	--	21	24	50	0.18	--	--	--	234
145/20F-09L02 M 03/20/67 5061 5061	--	7.5	--	10	19	19	0.7	--	--	7.0	15	18	0.12	--	--	--	122
145/20F-12P01 M 03/15/67 5061 5061	--	7.9	--	4.0	17	8.0	0.3	--	--	4.0	4.5	13	0.2	--	--	--	86
145/20F-24D01 M 03/15/67 5061 5061	--	7.9	--	5.0	23	8.0	0.5	--	--	6.0	5.0	14	0.3	--	--	--	116
145/21F-06E01 M 03/15/67 5061 5061	--	7.6	--	7.0	31	12	0.7	--	--	13	14	23	0.2	--	--	--	161
145/21F-09R01 M 03/15/67 5061 5061	--	7.7	--	7.0	30	12	0.3	--	--	8.0	12	22	0.2	--	--	--	150
155/14F-31N02 M 02/17/67 5050 5050	--	8.2	1780	97	18	259	5.8	0.0	119	691	71	6.1	--	1.6	--	1200	315
155/17F-24J01 M 11/14/66 5050 5050	--	7.7	14600	4.84	1.48	11.27	.15	1.95	14.37	2.00	.10	.10	--	--	--	1208	218
155/17F-24K01 M 11/14/66 5050 5050	--	8.4	657	26	--	--	--	3.0	125	--	126	--	--	--	--	--	78
155/17F-24K01 M 11/14/66 5050 1305	--	7.9	575	1.30	--	--	--	.10	2.05	3.55	--	--	--	--	--	--	0
155/17F-24K01 M 11/14/66 5050 1400	--	8.2	641	20	2.7	102	7.5	0.0	129	6.2	129	3.5	--	0.2	--	379	76
155/17F-24H01 M 11/14/66 5050 5050	--	7.9	550	1.30	.22	4.44	.19	2.12	.13	3.64	.06	.06	--	--	--	340	0
155/17F-24H01 M 11/14/66 5050 5050	--	8.3	1040	72	6.4	104	10	0.0	125	7.6	244	4.4	--	0.2	--	679	206
			860	3.59	.53	4.70	.26	2.05	.16	6.88	.08	.08	--	--	--	514	104
				40	6	52	3	22	2	75	1	1	--	--	--	514	104

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STAF DATE TIME	WELL LAH SAMPLER	PH LAR FLD	TEMP	FC LAR FLD	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER PERCENT REACTANCE VALUF					MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	HCO3	SO4	CL	N03	F	H	SI02	TDS SUM	TH NCH	
155/22F-04801 M		8.5	--	514	36	15	46	4.0	9.0	1H4	59	5.3	31	--	0.1	--	332	153	
12/16/65	5050				1.80	1.23	2.00	.10	.30	3.02	1.23	.15	.50				296	0	
	5050				35	24	39	2	6	58	24	3	10						
155/22F-04C01 M		7.4	--	629	37	37	40	9.0	0.0	318	0.0	14	1.6	--	0.2	--	373	245	
10/06/66	5050				1.85	3.04	1.74	.23	5.22			.39	.03				295	0	
	5050				27	44	25	3		93		7	1						
155/22F-04C01 M		8.2	--	484	29	25	39	5.1	0.0	246	18	12	15	--	0.0	--	274	177	
12/16/65	5050				1.45	2.06	1.31	.13		4.03	.37	.34	.24				255	0	
	5050				29	42	24	3		81	7	7	5						
155/22F-04C02 M		8.0	--	1280	9H	88	63	8.0	0.0	447	18	40	0.3	--	0.2	--	705	605	
12/16/65	5050				4.89	7.23	2.74	.20		13.89	.37	1.13					731	0	
	5050				32	48	14	1		90	2	7							
155/22F-2/C01 M		8.7	65.0F	354	31	11	24	2.5	11	156	6.1	9.1	12	--	0.0	--	224	123	
05/01/67	5050				1.55	.90	1.04	.06	.37	2.56	0.16	.26	.19				238	0	
	5061				44	25	29	2	10	72	5	7	5						
165/22F-26601 M		8.5	64.0F	359	37	8.1	21	1.8	4.0	146	14	16	9.1	--	0.0	--	217	126	
05/01/67	5050				1.85	.67	.91	.05	.13	2.39	.29	.45	.15				183	0	
	5061				53	19	26	1	4	70	9	13	4						
175/27F-26401 M		8.6	--	355	31	--	.78	.10	4.0	127	--	9.2	24	--	--	--	--	124	
11/03/66	5050				1.55				.13	2.08		.26	.39					14	
175/27F-32F01 M		8.5	--	904	54	--	38	4.9	2.0	127	--	42	115	--	--	--	--	345	
10/26/66	5050				2.69		1.65	.13	.07	2.08		1.18	1.85					238	
	5050				1015														
175/27F-32F01 M		8.5	--	718	68	--	--	--	7.0	153	--	25	54	--	--	--	--	283	
01/18/67	5050				3.39				.23	2.51		.71	.87					146	
	5050																		
175/27F-33F01 M		8.6	--	548	48	--	19	5.1	4.0	145	--	14	47	--	--	--	--	216	
10/26/66	5050				2.40		.83	.13	.13	2.38		.39	.76					91	
	5050				522														
175/27F-34P01 M		8.5	--	295	23	--	17	4.2	2.0	102	--	7.9	34	--	--	--	--	100	
10/26/66	5050				1.15		.74	.11	.07	1.67		.22	.55					13	
	5050				324														
175/27F-35601 M		8.3	--	1600	149	--	105	8.0	0.0	268	--	42	228	--	--	--	--	458	
11/15/66	5050				8.43		4.57	.20		4.40		1.18	3.67					238	
	5050																		

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				NO3	F	B	SI02	TDS SUM	TH NCH
								CO3	HCO3	SO4	CL						
175/27F-35G02 M 01/18/47 5050	--	8.6	636	68 3.39	--	--	--	6.0 .20	139 2.28	--	22 .62	60 .97	--	--	--	248 124	
175/27F-35J01 M 10/26/46 5050	--	8.6	464 435	39 1.95	--	27 1.17	2.8 .07	4.0 .13	126 2.07	--	18 .51	37 .60	--	--	--	156 46	
175/27F-35L01 M 10/26/46 5050	--	8.7	847 825	85 4.24	--	49 2.13	2.4 .06	12 .40	183 3.00	--	24 .68	58 .93	--	--	--	325 155	
175/27F-35M01 M 11/15/46 5050	--	8.6	268 270	34 1.70	--	8.7 .38	2.8 .07	4.0 .13	136 2.23	--	5.1 .14	0.7 .01	--	--	--	116 0	
185/19F-20P01 M 02/11/47 5050	--	8.9	2260	9.3 .46 2	8.5 .70 3	47.6 20.71 94	1.8 .05	18 .60	208 3.41 15	761 15.83 71	87 2.45 11	0.5 .01	--	2.5	1410 1467	58 0	
185/19F-20P02 M 02/11/47 5050	--	8.2	1980	73 3.64 18	14 1.15 6	35.2 15.31 76	3.6 .09	0.0	209 3.43 17	714 14.85 72	79 2.23 11	1.0 .02	--	2.2	1310 1341	239 68	
185/25F-20C01 M 05/01/47 5050	64.0F	8.4	192 180	23 1.15 59	4.2 .35 18	9.4 .43 22	1.0 .03 2	2.0 .07 4	97 1.59 82	4.3 .09 5	4.2 .12 6	3.5 .06 3	--	0.0	121 100	75 0	
185/27F-02H01 M 11/04/46 5050	--	8.5	1660	179 8.93 50	65 5.34 30	74 3.39 19	6.2 .16 1	19 .63 4	193 3.17 18	327 6.80 39	53 1.49 9	325 5.23 30	--	0.0	1380 1147	714 524	
185/27F-02H01 M 12/15/46 5050	--	8.7	1690	174 8.68	--	--	--	17 .57	205 3.36	--	53 1.49	330 5.31	--	--	--	715 519	
185/27F-02H01 M 01/18/47 5050	--	8.7	1680	179 8.93	--	--	--	19 .63	195 3.20	--	50 1.41	342 5.51	--	--	--	714 523	
185/27F-02C01 M 10/20/46 5050	--	8.3	1450	142 7.09 46	56 4.60 30	79 3.44 23	4.8 .12 1	0.0	247 4.05 27	304 6.32 42	55 1.55 10	187 3.01 20	--	0.2	1060 949	583 381	
185/27F-02C02 M 11/15/46 5050	--	8.7	1340 1230	140 6.99	--	62 2.70	7.2 .18	17 .57	209 3.43	--	45 1.27	198 3.19	--	--	--	563 363	

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER				TOS SUM	TH NCH		
				CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	H	SI02				
18S/27F-02D01 M 11/04/66 5050 0800 5050	--	8.3	780	58 2.84	--	4.0 1.74	4.5 .12	0.0	0.0	97	1.59	--	34 .96	81 1.30	--	--	--	--	274 195
18S/27F-02D01 M 11/04/66 5050 0900 5050	--	8.5	969	95 4.74	--	4.5 1.96	4.9 .13	4.0 .13	156 2.56	--	--	--	40 1.13	108 1.74	--	--	--	--	372 238
18S/27F-03M01 M 10/26/66 5050 5050	--	8.3	762	44 2.20	--	4.9 2.13	6.9 .18	0.0	0.0	107	1.75	--	40 1.13	84 1.35	--	--	--	--	241 154
18S/27F-08H02 M 11/03/66 5050 5050	--	8.5	261	25 1.25	--	1.9 .83	1.8 .05	2.0	117	1.92	--	--	6.5 .18	5.2 .08	--	--	--	--	87 0
18S/27F-08H03 M 11/03/66 5050 5050	--	8.6	465	50 2.50	--	1.9 .83	2.5 .06	4.0	138	2.26	--	--	16 .45	19 .31	--	--	--	--	181 62
18S/27F-09Q01 M 11/04/66 5050 0800 5050	--	8.3	957	70 3.49	--	4.4 1.91	1.7 .04	0.0	80	1.31	--	--	86 2.43	153 2.46	--	--	--	--	350 285
18S/27F-09Q01 M 11/04/66 5050 0900 5050	--	8.3	988	73 3.64	--	4.5 1.96	1.7 .04	0.0	90	1.48	--	--	87 2.45	145 2.33	--	--	--	--	358 284
18S/27F-09Q01 M 11/04/66 5050 1000	--	8.2	980	72 3.59	--	4.5 1.96	1.8 .05	0.0	87	1.43	--	--	86 2.43	154 2.48	--	--	--	--	355 284
18S/27F-10K01 M 11/03/66 5050 5050	--	8.5	624	40 2.00	--	3.3 1.44	6.4 .16	3.0	121	1.98	--	--	35 .99	42 .68	--	--	--	--	214 110
18S/27F-11F01 M 11/15/66 5050 5050	--	8.5	640	34 1.70	--	3.8 1.65	5.2 .13	3.0	109	1.79	--	--	38 1.07	100 1.61	--	--	--	--	200 106
18S/27F-11G02 M 10/26/66 5050	--	8.7	1170 1233	113 5.64	--	6.1 2.65	8.1 .21	20 .67	249 4.08	--	--	--	53 1.49	155 2.50	--	--	--	--	461 224

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP LAB FLD	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	MILLIGRAMS PER LITER MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SUM			
								CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI0 ₂	TH	NCH		
185/27F-11J01 M 11/15/66 5050 5050	--	8.7	424 520	17 .85	--	39 1.70	5.1 .13	7.0 .23	159 2.61	-- .56	20 .19	12	12	--	--	--	117 0		
185/27F-15C01 M 11/15/66 5050 5050	--	8.2	444 400	38 1.90	--	14 .77	3.2 .08	0.0 2.28	139	-- .45	16 .68	42	42	--	--	--	164 50		
185/27F-15F01 M 10/26/66 5050 5050	--	8.4	324 300	35 1.75	--	12 .52	3.2 .08	1.0 .03	.87 1.43	-- .25	9.8 .58	36	36	--	--	--	124 51		
195/20F-03K02 M 05/01/67 5050 5050	73.0F	8.7	559	1.3 .06 1	1.0 .08 1	124 5.44 97	0.6 .02	12 .40 7	294 4.82 85	0.0 .42 7	15 2.0	2.0	2.0	--	0.7	--	399 302		
195/25F-06H02 M 11/14/66 5050 5050	--	8.1	246 290	35 1.75 71	2.6 .21 9	11 .48 14	1.2 .03 1	0.0 1.92 .81	117 1.92 81	9.4 .20 .8	7.0 .20 8	3.6 .06 3	3.6	--	0.1	--	155 127		
195/26F-34N01 M 05/23/67 5050 5050	--	7.8	732 800	24 1.27 16	19 1.56 21	105 4.57 62	2.2 .06 1	0.0 4.08 57	249 4.08 57	40 .83 12	72 2.03 29	10	10	--	0.2	--	452 394		
195/26F-34N01 M 07/05/67 5050 5050	--	8.6	548 460	17 .85	--	--	--	4.0 .13	175 2.87	-- 1.52	54 .11	6.9	6.9	--	--	--	91 0		
205/16F-31Q01 M 11/16/66 5050 1630 5050	70.0F	8.4	2700 2450	146 7.29 24	114 9.37 31	303 13.14 44	5.2 .13	4.0 .13	189 3.10	1090 22.67 75	156 4.40 14	5.6 .09	5.6	0.5	2.0	--	2070 1919		
205/24F-10Y01 M 05/01/67 5050 5050	71.0F	8.2	172 170	2.5 .12	0.0	36 1.57	--	0.0	.88 1.44	-- 6.0	6.0 .17	3.5 .06	3.5	--	--	--	6 0		
205/26F-03D01 M 10/18/66 5050 5050	--	--	5100	--	--	--	--	--	--	--	1360 41.18	--	--	--	--	--	--		
205/26F-03D01 M 11/18/66 5050 5050	72.0F	8.3	4730 4750	71 3.54	--	--	--	0.0	.908 14.89	-- 37.79	1340 .31	19	19	--	2.6	--	925 181		
205/26F-03D01 M 02/16/67 5050 5050	--	--	5380	--	--	--	--	--	--	--	1480 41.74	--	--	--	--	--	--		

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCH
20S/26F-03001 M 03/27/67 5050	--	--	5000 5050	--	--	--	--	--	--	1470 41.45	--	--	--	--	--	--	--
20S/26F-03001 M 04/18/67 5050	--	--	5530 5000	--	--	--	--	--	--	1940 54.71	--	--	--	--	--	--	--
20S/26F-03002 M 10/18/66 5050	--	--	2740	--	--	--	--	--	--	586 16.53	--	--	--	--	--	--	--
20S/26F-03002 M 11/18/66 5050	65.0F	8.2	2470 2400	72 3.59	--	--	--	0.0 5.97	364 9.97	553 15.59	18 .29	0.9	--	--	540 242	--	--
20S/26F-03002 M 05/23/67 5050	--	8.0	3820 3400	179 8.93 26	117 9.62 28	370 16.10 46	8.5 .22 1	0.0 8.07 24	492 8.07 24	51 1.06 3	846 23.86 70	58 .93 3	1.5	--	2400 1872	929 526	--
20S/26F-03002 M 07/05/67 5050	--	7.8	3960 3600	199 9.93	--	--	--	0.0 9.02	550 9.02	911 25.69	31 .50	--	--	--	1030 579	--	--
20S/26F-03F01 M 10/18/66 5050	--	--	2760	--	--	--	--	--	--	755 21.29	--	--	--	--	--	--	--
20S/26F-03L01 M 10/18/66 5050	--	--	1850	--	--	--	--	--	--	392 11.05	--	--	--	--	--	--	--
20S/26F-03M01 M 10/18/66 5050	--	--	712	--	--	--	--	--	--	107 3.02	--	--	--	--	--	--	--
20S/26F-04C01 M 10/06/66 5050	--	8.5	430	12 .60 14	8.0 .66 16	66 2.87 69	1.5 .04 1	7.8 .26 6	154 2.53 61	13 .27 7	34 .96 23	7.8 .13 3	0.1	--	240 226	63 0	--
20S/26F-04C01 M 05/23/67 5050	--	8.4	427 390	14 .70	--	--	--	2.0 .07	160 2.62	--	31 .87	7.3 .12	--	--	--	70 0	--
20S/26F-04C01 M 07/05/67 5050	--	8.5	439 380	13 .65	--	--	--	4.0 .13	158 2.59	--	34 .96	6.9 .11	--	--	--	64 0	--

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAR FLD	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTIONS VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	C03	HCO3	S04	CL	N03	F	R	SI02	TDS SUM	TH NCH
205/26F-04H01 M 05/23/67 5050 5050	--	8.1	1440	93	56	84	4.8	0.0	227	67	268	20	--	0.1	--	892	464
205/26F-04H01 M 07/05/67 5050 5050	--	8.2	1290	42	--	--	--	0.0	216	--	241	18	--	--	--	--	414
205/26F-04H02 M 05/23/67 5050 5050	--	8.1	1510	93	48	118	4.4	0.0	239	57	292	19	--	0.2	--	962	429
205/26F-05R02 M 05/23/67 5050 5050	--	8.2	638	28	17	68	2.3	0.0	159	22	88	11	--	0.1	--	338	139
205/26F-05R02 M 07/05/67 5050 5050	--	8.3	710	34	--	--	--	0.0	160	--	108	9.4	--	--	--	--	169
205/26F-04H01 M 07/05/67 5050 5050	--	8.5	864	34	18	103	2.5	2.0	134	29	159	11	--	0.2	--	467	159
205/26F-04A01 M 05/23/67 5050 5050	--	8.3	1440	113	48	182	4.3	0.0	359	104	323	19	--	0.3	--	1150	481
205/26F-04A01 M 07/05/67 5050 5050	--	8.2	1840	105	--	--	--	0.0	330	--	332	16	--	--	--	--	475
205/26F-04H01 M 05/23/67 5050 5050	--	8.0	826	42	25	75	3.1	0.0	154	42	127	21	--	0.1	--	468	207
205/26F-09H01 M 07/05/67 5050 5050	--	8.5	825	54	--	--	--	6.0	146	--	129	20	--	--	--	--	231
205/26F-09H02 M 02/02/67 5050 5050	--	7.4	1470	120	50	94	4.0	0.0	296	91	242	24	--	0.2	--	--	504
205/26F-09H02 M 05/23/67 5050 5050	--	7.9	1430	103	--	--	--	0.0	277	--	248	33	--	--	--	--	484

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

STATE DATE TIME	WELL NUMBER LAR SAMPLER	TEMP	PH LAR FLD	EC LAR FLD	MILLIGRAMS PER LITER										MILLIGRAMS PER LITER		TDS SUM	TH NCH
					CA	MG	NA	K	CO3	HCO3	504	CL	NO3	F	B	SI02		
205/26E-0902 M	07/05/67 5050	--	8.1	1230	94	--	--	0.0	215	--	205	36	--	--	--	--	--	424
	07/05/67 5050			1175	4.69				3.53		5.78	.58						248
205/26E-0901 M	05/23/67 5050	--	8.2	1160	45	44	65	4.3	244	52	182	41	--	0.1	--	--	674	392
	05/23/67 5050			1050	4.24	3.62	2.83	.11	4.00	1.04	5.13	.66					593	192
	5050				39	34	26	1	37	10	47	6						
205/26E-0901 M	07/05/67 5050	--	8.5	831	55	--	--	4.0	173	--	135	22	--	--	--	--	--	273
	07/05/67 5050			875	2.79			.13	2.84		3.81	.35						125
205/26E-0901 M	05/23/67 5050	--	8.1	1120	92	--	--	0.0	209	--	197	32	--	--	--	--	--	405
	05/23/67 5050			1100	4.59			.13	3.43		5.56	.52						234
205/26E-0901 M	07/05/67 5050	--	8.5	1200	105	--	--	4.0	204	--	202	35	--	--	--	--	--	467
	07/05/67 5050			1190	5.24			.13	3.35		5.70	.56						293
205/26E-1002 M	05/23/67 5050	--	8.3	1200	75	36	102	7.0	252	65	192	16	--	0.1	--	--	704	335
	05/23/67 5050			1140	3.74	2.96	4.44	.18	4.13	1.35	5.41	.26					617	129
	5050				33	26	39	2	37	12	49	2						
205/26E-1002 M	07/05/67 5050	--	8.2	821	54	--	--	0.0	159	--	140	21	--	--	--	--	--	251
	07/05/67 5050			825	2.69				2.61		3.95	.34						121
205/27E-0702 M	05/01/67 5050	74.0F	8.6	994	70	36	64	4.4	167	39	172	45	--	0.1	--	--	566	323
	05/01/67 5050			900	3.49	2.96	2.96	.11	2.3	2.74	.81	.72					523	175
	5050				37	31	31	1	2	29	9	8						
215/27E-3501 M	05/01/67 5050	64.0F	8.5	382	40	7.5	24	1.5	165	13	13	12	--	0.1	--	--	218	131
	05/01/67 5050			300	2.00	.62	1.04	.04	.13	2.71	.27	.19					196	0
	5050				54	17	24	1	4	74	7	5						
245/19E-1/03 M	01/19/67 5050	--	8.4	5420	236	--	785	--	4.0	250	--	291	8.2	--	--	--	--	1620
	5050				11.78		34.15		.13	4.10		.13						1410
245/25E-2401 M	03/23/67 5050	--	8.3	291	17	1.3	34	1.8	90	12	23	17	--	0.1	--	--	140	48
	03/23/67 5050			275	.45	.11	1.65	.05	1.48	.25	.65	.27					154	0
	5050				32	4	62	2	56	9	25	10						
245/25E-2601 M	03/23/67 5050	--	7.9	844	65	3.2	--	--	0.0	54	--	127	.22	--	--	--	--	175
	03/23/67 5050			650	3.24	.26			.89		3.58	.35						131

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE DATE TIME	WELL NUMBER LAH SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
					CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	B	SI02	TDS SUM	TH NCH	
245/25F-36F02 M 03/23/67 5050 5050		--	8.4	841	34	20	--	--	9.0	192	--	68	73	--	--	--	166	0	
245/26F-31L02 M 03/23/67 5050		--	8.0	403 440	11 .55 12	1.1 .09 2	9.0 3.92 45	1.8 .05 1	0.0	192	23	.48	.87	7.1	--	0.4	--	253	32
255/25F-01J01 M 03/23/67 5050 5050		--	8.3	470 475	30	5.4 .44	--	--	0.0	88	--	35	72	--	--	--	97	25	
255/25F-01F01 M 03/23/67 5050 5050		--	8.5	320	22	0.2 .02	--	--	9.0	95	--	17	14	--	--	--	56	0	
255/25F-02M01 M 03/23/67 5050 5050		--	8.6	329 291	30	3.6 .30	--	--	9.0	108	--	14	6.0	--	--	--	90	0	
255/25F-02H02 M 03/23/67 5050 5050		--	8.6	512 437	39	6.0 .49	--	--	10	104	--	37	47	--	--	--	122	20	
255/25F-03R01 M 03/23/67 5050		--	7.6	1130	90	18	10.6	5.1	0.0	208	119	82	151	--	0.0	--	690	297	
255/25F-10A01 M 03/23/67 5050 5050		--	8.4	553 446	45 2.25	2.2 .18	--	--	4.0	98	--	51	36	--	--	--	121	34	
255/25F-11E01 M 03/23/67 5050 5050		--	8.5	516 447	41 2.05	3.2 .26	--	--	4.0	93	--	49	28	--	--	--	115	32	
255/25F-11H01 M 03/23/67 5050 5050		--	8.3	563 487	38 1.90	2.9 .24	--	--	0.0	84	--	52	53	--	--	--	107	38	
255/25F-11J01 M 03/23/67 5050 5050		--	8.0	755 686	51 2.54 4.1	3.9 .32 5	7.3 3.44 5.4	2.4 .06 1	0.0	75	66	82	96	--	0.1	--	471	143	
255/25F-11P01 M 03/23/67 5050 5050		--	8.2	772 669	51 2.54	3.4 .28	--	--	0.0	68	--	117	38	--	--	--	141	85	

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI0 ₂	TDS SUM	TH NCH					
255/255C-12C01 M 03/23/67 5050	--	8.5	460 366	11 .55 14	0.4 .03 1	76 3.31 85	0.7 .02 1	7.0 .23 6	58 .95 24	60 1.25 31	41 1.16 29	24 .39 10	--	0.1	--	252 249	29 0					
255/255F-12E01 M 03/23/67 5050	--	7.9	735 533	55 2.79 43	8.1 .67 10	64 2.96 46	3.0 .08 1	0.0 2.05 32	125 1.08 17	52 1.80 28	64 1.80 28	97 1.56 24	--	0.1	--	466 409	173 71					
255/255F-24E01 M 09/21/67 5050	--	--	-- 675	--	--	--	--	--	--	--	--	24 .39	--	--	--	--	--					
255/266F-03H01 M 03/23/67 5050	--	7.6	1130 1050	90 4.49 42	18 1.48 14	106 4.61 43	5.1 .13 1	0.0 3.41 32	208 2.48 23	119 2.31 22	82 2.31 22	151 2.43 23	--	0.0	--	690 673	297 127					
255/266F-06H01 M 03/23/67 5050	--	8.4	397 320	15 .75 20	1.1 .09 2	66 2.87 77	1.2 .03 1	3.0 .10 3	122 2.00 55	28 .58 16	29 .82 23	9.0 .14 4	--	0.1	--	205 212	42 0					
255/266F-12H01 M 09/18/67 5050	--	8.2	240	7.2 .35 13	0.7 .06 2	53 2.31 83	1.4 .04 1	0.0 1.48 57	90 1.48 57	26 .54 21	19 .54 21	2.0 .03 1	0.1	0.0	--	169 154	21 0					
255/266F-12H01 M 09/18/67 5050	--	7.8	391	10 .50 14	1.7 .14 4	67 2.91 81	2.3 .06 2	0.0 1.75 49	107 1.75 49	36 .75 21	30 .85 24	13 .21 6	0.2	0.1	--	219 213	32 0					
255/266F-17L01 M 03/23/67 5050	--	8.4	670 645	52 2.59	9.1 .75	--	--	9.0 .30	102 1.67	--	71 2.00	73 1.18	--	--	--	--	167 69					
255/266F-19H01 M 03/23/67 5050	--	8.4	777 750	62 3.09	14 1.15	--	--	9.0 .30	124 2.03	--	79 2.23	69 1.11	--	--	--	--	213 97					
255/266F-22G01 M 09/21/67 5050	--	--	-- 430	--	--	--	--	--	--	--	--	37 .60	--	--	--	--	--					
255/266F-30H01 M 03/23/67 5050	--	8.3	1300 1255	114 5.69	28 2.30	--	--	0.0 2.08	127 2.08	--	140 3.95	70 1.13	--	--	--	--	400 296					
255/276F-04H03 M 08/15/67 5050	--	8.3	697 575	46 2.30 34	5.2 .43 6	85 3.70 55	12 .31 5	0.0 2.56 38	156 3.29 48	158 3.29 48	32 .90 13	2.5 .04 1	0.1	0.1	--	452 417	102 0					

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE LAH TIME SAMPLER	PH LAB FLD	TEMP	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCH
255/27F-09001 M 08/15/67 5050 5050	8.0	--	497 400	40 2.00 41	5.4 .44 9	53 2.31 47	6.1 .16 3	0.0	141 2.31 49	54 1.21 25	42 1.18 25	3.3 .05 1	0.2	0.1	--	308 277	122 7
255/27F-11971 M 08/15/67 5050 5050	8.2	--	423 450	34 1.70 40	4.8 .72 17	41 1.74 41	3.7 .09 2	0.0	168 2.76 66	39 .81 19	22 .62 15	0.8 .01	0.1	0.1	--	241 232	121 0
255/27F-15901 M 08/15/67 5050 5050	--	--	--	--	--	--	--	--	--	--	--	--	0.4	0.1	--	--	--
255/27F-22401 M 08/15/67 5050 5050	7.8	--	442 400	39 1.95 44	8.4 .69 16	37 1.61 36	7.3 .19 4	0.0	146 2.39 55	58 1.21 28	24 .68 16	2.1 .03 1	0.2	0.1	--	304 248	132 13
255/27F-23601 M 08/15/67 5050 5050	--	--	--	--	--	--	--	--	--	--	--	--	0.2	0.0	--	--	--
255/27F-23601 M 09/18/67 5050 5050	7.8	--	531	44 2.20 42	3.8 .31 6	54 2.52 44	6.0 .15 3	0.0	168 2.76 53	84 1.75 34	25 .71 14	0.2	0.0	--	330 304	140 2	
255/27F-27601 M 09/19/67 5050 5050	7.8	--	610	38 1.90 33	4.6 .38 7	76 3.31 57	6.8 .17 3	0.0	142 2.33 41	88 1.83 32	54 1.52 27	0.4 .01	0.3	0.1	--	384 338	130 14
255/27F-28601 M 08/15/67 5050 5050	7.9	--	742 650	68 3.39 43	16 1.32 17	69 3.00 34	10 .26 3	0.0	135 2.21 28	184 3.83 49	58 1.64 21	11 .18 2	0.0	0.0	--	510 482	236 126
255/27F-28602 M 08/15/67 5050 5050	8.0	--	550 440	22 1.10 20	6.6 .54 10	85 3.70 64	5.2 .13 2	0.0	133 2.14 41	86 1.79 34	44 1.24 24	2.9 .05 1	0.4	0.2	--	340 317	82 0
265/25F-02402 M 03/23/67 5050 5050	8.4	--	934 745	87 4.34	20 1.64	--	--	3.0 .10	85 1.39	--	137 3.86	75 1.21	--	--	--	299 225	--
265/25F-03801 M 09/21/67 5050 5050	--	--	500	--	--	--	--	--	--	--	--	42 .68	--	--	--	--	--
265/25F-05001 M 03/23/67 5050 5050	7.4	--	844 825	90 4.49 57	4.2 .35 4	64 2.96 34	1.0 .03	0.0	58 .95 12	105 2.18 28	137 3.86 50	44 .71 9	--	0.0	--	490 478	242 195

TABLE E-1 (cont.)
MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	TEMP LAB FLD	PH LAB FLD	FC LAB FLD	CA	MG	NA	K	CO3	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				F	B	SI02	MILLIGRAMS PER LITER		
									CO3	HCO3	S04	CL				N03	TDS	TH
26S/25F-14P01 M 03/23/67 5050 5050	--	8.0	304	1.50 49	2.9 4	2.9 41	1.5 0.4	0.0	135 2.21	0.0	11 .23	10 8	12 7	--	0.0	--	141 163	87 0
26S/25F-23H01 M 03/23/67 5050 5050	--	8.0	327	1.65 53	0.1 0.1	1.34 45	0.05 2	0.0	106 1.74	0.0	16 .33	31 .87	4.5 .07	--	0.0	--	150 170	83 0
26S/26F-03A01 M 09/21/67 5050 5050	--	--	1100	--	--	--	--	--	--	--	--	--	24 .39	--	--	--	--	--
26S/26F-03J01 M 09/21/67 5050 5050	--	--	875	--	--	--	--	--	--	--	--	--	2.9 .05	--	--	--	--	--
26S/26F-05H01 M 03/23/67 5050 5050	--	8.0	863 680	2.10 30	3.6 30	--	--	0.0	.75	46	--	106 2.99	64 1.03	--	--	--	--	120 83
26S/26F-05P01 M 03/23/67 5050 5050	--	7.5	923 860	61 304	4.9 5	104 4.61	2.4 .06	0.0	.75	46	130 2.70	112 3.16	93 1.50	--	0.0	--	542 532	172 135
26S/26F-05P01 M 09/21/67 5050 5050	--	--	750	--	--	--	--	--	--	--	--	--	85 1.37	--	--	--	--	--
26S/26F-06F02 M 03/23/67 5050 5050	--	8.0	1230 960	129 6.44	18 1.48	--	--	0.0	71 1.16	0.0	--	128 3.61	80 1.29	--	--	--	--	395 337
26S/26F-07J01 M 03/23/67 5050 5050	--	8.0	760 712	42 3.09	4.8 3.9	--	--	0.0	64 1.05	0.0	--	109 3.07	76 1.22	--	--	--	--	174 122
26S/26F-08G01 M 03/23/67 5050 5050	--	8.2	942 735	77 3.84	13 1.07	--	--	0.0	54 .89	0.0	--	99 2.79	76 1.22	--	--	--	--	244 200
26S/26F-09M01 M 03/23/67 5050 5050	--	8.4	2570 2420	302 15.07	45 3.70	--	--	5.0 .17	96 1.57	0.0	--	164 4.62	165 2.66	--	--	--	--	939 853

TABLE E-1 (cont.)

MINERAL ANALYSES OF GROUND WATER

STATE WELL NUMBER DATE TIME	PH LAB FLD	TEMP	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE							MILLIGRAMS PER LITER				
				CA	MG	NA	K	CO3	HC03	SO4	CL	N03	F	B	SI02	TDS	TH	NCH				
26S/24F-17401 M 03/23/67 5050	8.0	--	495	74	7.2	--	--	0.0	52	.85	--	144	87	--	--	--	--	224				
			445	3.89	.59							4.06	1.40					182				
26S/24F-19F02 M 09/21/67 5050	--	--	340	--	--	--	--	--	--	--	--	--	24	--	--	--	--	--				
													.39									
26S/24F-20J01 M 03/23/67 5050	8.0	--	1330	154	9.1	--	--	0.0	59	.97	--	189	138	--	--	--	--	432				
			1010	7.84	.75							5.33	2.22					384				
26S/24F-22C01 M 09/21/67 5050	--	--	520	--	--	--	--	--	--	--	--	--	3.6	--	--	--	--	--				
													.06									
26S/24F-22G01 M 09/21/67 5050	--	--	430	--	--	--	--	--	--	--	--	--	35	--	--	--	--	--				
													.56									
26S/24F-24F01 M 09/21/67 5050	--	--	840	--	--	--	--	--	--	--	--	--	30	--	--	--	--	--				
													.48									
27S/24F-22H01 M 04/03/67 5403	7.5	--	1212	100	13	42	3.3	0.0	103	1.69	35	271	--	0.1	.22	--	567	305				
				5.01	1.09	4.03	.08				.74	7.66					567	221				
				49	11	30	1		17	7	76											
27S/24F-27A01 M 10/06/66 5403	8.9	--	455	0.0	3.2	66	10	19	97	4.0	41	41	--	0.9	.14	--	216	33				
				.40	.26	2.84	.28	.64	1.59	.10	1.18						203	0				
				10	7	75	7	18	45	3	34											
27S/24F-27B01 M 03/15/67 5415	7.4	--	2326	284	55	57	4.2	0.0	180	2.95	202	496	--	0.1	.10	--	1842	936				
				14.17	4.53	2.44	.11				4.21	14.00					1188	788				
				67	21	12	1		14	20	66											
29S/23F-13L01 M 05/02/67 5050	64.0F	64.0F	379	13	2.1	56	0.2	0.0	59	52	42	0.9	0.9	--	0.2	--	218	41				
			340	.65	.17	2.44	.01		.97	1.08	1.18	.01					195	0				
				20	5	75			30	33	36											
29S/23F-36S01 M 05/02/67 5050	66.0F	66.0F	247	28	4.1	14	--	0.0	109	--	16	2.2	0.4	--	--	--	--	87				
			240	1.40	.34	.83			1.79		.45							0				
30S/25F-21L015 M 05/02/67 5050	64.0F	64.0F	242	13	1.6	37	0.7	1.0	101	20	10	1.0	1.0	--	0.2	--	140	39				
			225	.62	.13	1.61	.02	.03	1.66	.42	.28	.02	.02				134	0				
				27	5	67	1	1	69	17	12											

TABLE E-1 (cont.)
MINERAL ANALYSFS OF GROUND WATER

STAF DATE TIME	WELL NUMBER	PH	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER			
				TEMP	LAR FLD	CA	MG	NA	K	CO ₃	HCO ₃	SO ₄	CL	NO ₃	F	H	SI0 ₂	TDS SUM	TH NCH
305/28F-05001 M 03/09/67 5050 5000		8.1	--	26 1.34	4.6 .38	17 .77	2.4 .06	--	--	16 .34	11 .34	1.1 .02	0.2	--	--	--	86		
305/28F-25001 M 05/15/67 5050 1240		8.4	526 450	46 2.30 45	9.5 .78 15	44 1.91 37	4.4 .11 2	3.0 .10 2	217 3.56 69	51 1.06 20	16 .45 9	0.9 .01	--	0.2	--	286 281	154 0		
305/28F-25002 M 05/15/67 5050 1245		8.3	536 475	47 2.35 42	13 1.07 19	47 2.04 37	4.4 .11 2	0.0 3.79 72	231 .96 18	46 .54 10	19 .54 10	0.7 .01	--	0.2	--	307 290	169 0		
305/28F-25001 M 05/15/67 5050 1020		8.4	980 850	91 4.04 43	11 .90 10	100 4.35 44	6.0 .15 2	7.0 .23 2	263 4.31 45	81 1.68 17	122 3.44 36	0.0	--	0.4	--	579 537	249 22		
305/28F-25001 M 05/16/67 5050 1400		8.1	1520	122 6.09 41	30 2.47 17	134 6.00 41	7.5 .19 1	0.0 5.67 38	346 2.83 19	136 6.49 43	230 6.49 43	2.0 .03	--	0.6	--	978 836	427 144		
305/28F-25001 M 05/15/67 5050 1325		8.1	2240	232 11.58 47	73 6.00 24	161 7.00 24	10 .26 1	0.0 4.81 19	293 4.81 19	585 12.17 48	287 8.09 32	14 .23 1	--	1.0	--	1680 1507	879 639		
305/28F-25002 M 05/15/67 5050 1345		8.3	1200 1200	125 6.24 49	32 2.63 21	84 3.65 29	6.3 .16 1	0.0 3.36 26	205 4.14 33	199 4.14 33	181 5.10 40	6.8 .11 1	--	0.3	--	837 735	446 278		
305/29F-30001 M 05/15/67 5050 1310		8.5	677 575	64 3.19 49	12 .99 15	50 2.14 34	5.0 .13 2	7.0 .23 3	210 3.44 51	49 1.02 15	70 1.97 29	2.0 .03	--	0.2	--	365 362	211 28		

TRACE MINERAL ANALYSES OF GROUND WATER

This table presents spectrographic analyses performed by the U. S. Geological Survey Laboratory in Sacramento. The definitions of symbols and of abbreviations used in this table are as follows:

Chemical Symbols

AL	Aluminum	GA	Gallium
AS	Arsenic	GE	Germanium
BE	Beryllium	LI	Lithium
BI	Bismuth	MN	Manganese
BR	Bromine	MO	Molybdenum
CD	Cadmium	NI	Nickel
CO	Cobalt	PB	Lead
CR	Chromium	TI	Titanium
CU	Copper	V	Vanadium
FE	Iron	ZN	Zinc

Abbreviations

LAB	Laboratory	U	Micrograms per liter
M	Milligrams per liter	Y	Less than the amount indicated

TRACE MINERAL ANALYSES OF GROUND WATER

STATE WELL NO.	DATE	LAB	AL LI	AS MN	BE MO	BI NI	BR PB	CD TI	CO V	CR ZN	CU SR	FE	GA	GE
03S/09E-17N01 M	10-26-66	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
03S/09E-19B01 M	10-25-66	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
03S/09E-20N01 M	10-24-66	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
04S/09E-08A01 M	10-26-66	5050	--	000.0U	--	--	--	--	--	--	--	--	--	--
04S/09E-08C01 M	10-25-66	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
04S/09E-08K01 M	10-26-66	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
04S/09E-09B01 M	10-25-66	5050	--	000.1U	--	--	--	--	--	--	--	--	--	--
04S/09E-09B02 M	10-25-66	5050	--	000.0U	--	--	--	--	--	--	--	--	--	--
04S/09E-09N01 M	10-25-66	5050	--	000.0U	--	--	--	--	--	--	--	--	--	--
05S/08E-30Q01 M	05-00-67	5705	000.5UY	0.025U	0.045U	0.005U	0.008U	--	0.021U	00.09U 00.12U	0.045U 003.8U	00.17U	--	--
06S/20E-10L M	02-14-67	5000	0016.U	--	--	--	--	--	--	--	0054.U	--	--	--
07S/20E-01N M	02-18-67	5000	0146.U 0002.U	000.1U 0163.U	000.6UY 000.3UY	000.3UY 003.7U	001.4UY	001.4UY 000.6UY	001.4UY 000.3UY	001.4UY 005.7UY	001.4UY 0002.U	0149.U	005.7UY	000.3UY
11S/18E-10D01 M	12-14-66	5050	--	002.8U	--	--	--	--	--	--	--	0028.U	--	--
12S/20E-32J01 M	03-20-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1UY	--	--
13S/15E-30B01 M	11-03-66	5050	000.0U	000.0U	--	--	--	--	--	000.0U	000.1U	002.8U	--	--
13S/15E-30B04 M	11-03-66	5050	000.0U	000.0U	--	--	000.0U	--	--	000.0U	000.0U	000.7U	--	--
13S/20E-10K01 M	03-20-67	5061	--	--	--	--	--	--	--	--	--	000.1U	--	--
13S/20E-16L01 M	03-15-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1U	--	--
13S/20E-17A01 M	03-20-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1U	--	--
13S/20E-21F01 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.2U	--	--
13S/20E-25E02 M	03-20-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1U	--	--
13S/20E-28G01 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.1UY	--	--
13S/20E-36K01 M	03-15-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1U	--	--
13S/21E-07G02 M	03-20-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1UY	--	--
13S/21E-31E02 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.1UY	--	--
13S/21E-31E02 M	05-00-67	5705	000.5UY	0.017U	0.018U	0.005U	0.007U	--	00.18U	00.011U 00.12U	0.015U 001.3U	0.045U --	--	--
13S/21E-31G01 M	03-20-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1UY	--	--

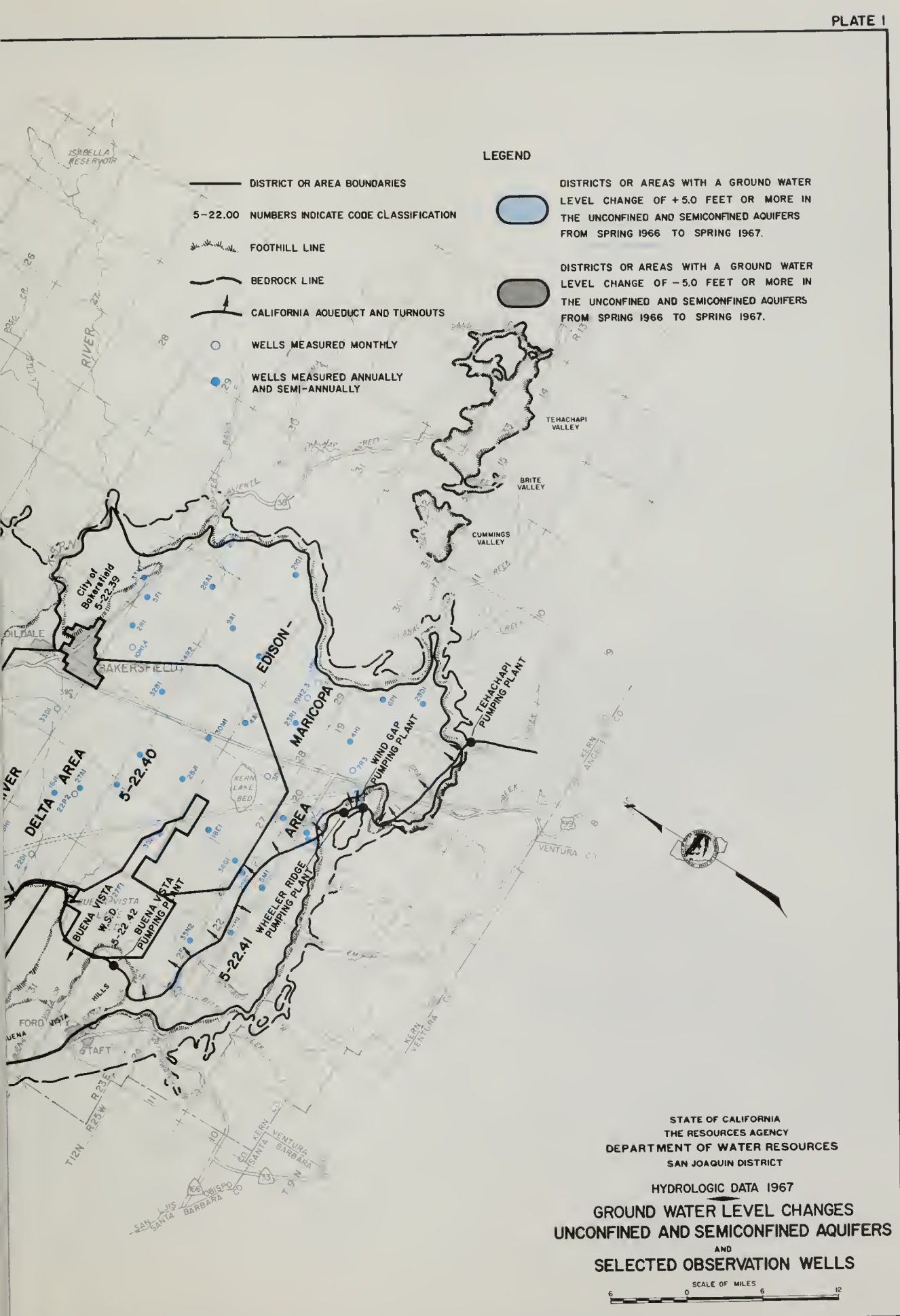
TABLE E-2 (cont.)

TRACE MINERAL ANALYSES OF GROUND WATER

STATE WELL NO.	DATE	LAB	AL LI	AS MN	BE MO	BI NI	BR PB	CD TI	CO V	CR ZN	CU SR	FE	GA	GE
13S/21E-31A01 M	03-20-67	5061	--	00.01UY	--	--	--	--	--	--	--	00.15U	--	--
14S/19E-07M01 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.1UY	--	--
14S/19E-21A01 M	03-20-67	5061	--	0001.U	--	--	--	--	--	--	--	000.1U	--	--
14S/19E-22P01 M	03-20-67	5061	--	000.1U	--	--	--	--	--	--	--	000.1U	--	--
14S/20E-08A01 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.1UY	--	--
14S/20E-09L02 M	03-20-67	5061	--	00.01UY	--	--	--	--	--	--	--	000.1U	--	--
14S/20E-12P01 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.1UY	--	--
14S/20E-24D01 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.1UY	--	--
14S/21E-06P01 M	03-15-67	5061	--	000.1UY	--	--	--	--	--	--	--	000.1UY	--	--
14S/21E-09P01 M	03-15-67	5061	--	000.1U	--	--	--	--	--	--	--	000.3U	--	--
15S/16E-31M02 M	02-17-67	5050	000.3U	000.1U 000.9U	--	--	--	--	--	--	000.0U	000.6U	--	--
15S/23E-27C01 M	05-00-67	5705	000.5UY	0.013U	0.012U	0.005UY	0.009U	--	00.34U	0.007U 00.09U	0.015U 001.2U	000.1U	--	--
16S/22E-26C01 M	05-00-67	5705	000.5UY	0.006U	0.017U	0.005UY	0.006U	--	--	0.005U 00.05U	0.008U 001.9U	0.024U	--	--
18S/19E-20P01 M	02-11-67	5050	000.3U	000.0U 000.0U	--	--	--	--	--	--	000.0U	000.4U	--	--
18S/19E-20P02 M	02-11-67	5050	000.2U	000.0U 001.8U	--	--	--	--	--	--	000.0U	000.4U	--	--
18S/25E-29C01 M	05-00-67	5705	000.5UY	0.005UY	00.01U	0.005U	00.06U	--	--	--	000.0U	000.5U	--	--
18S/27E-02P01 M	11-04-66	5000	0019.U	003.3UY	001.3UY 00.67UY	00.67UY 0016.U	003.3UY	003.3UY 001.3UY	00.05U 00.05U	0.005U 0.017U	0.005U 001.1U	0.013U	--	--
19S/20E-03K02 M	05-00-67	5705	001.4U	00.12U	00.12U	0.009U	00.14U	--	--	0.005UY 00.32U	00.32U 000.2UY	002.2U	--	--
20S/16E-31Q01 M	11-16-66	5050	000.1U	000.5U	--	--	000.0U	--	--	--	000.0U	006.6U	--	--
20S/24E-10B01 M	05-00-67	5705	000.5UY	0.014U	0.022U	0.005UY	00.08U	--	000.6U	0.013U 00.02U	0.012U 000.2UY	0.022U	--	--
20S/27E-07M02 M	05-00-67	5705	000.5UY	0.005UY	0.025U	0.005UY	0.005U	--	000.1U	0.005U 0.027U	0.007U 0004.U	0.008U	--	--
21S/27E-35H M	05-00-67	5705	000.5UY	0.005UY	0.023U	0.008U	0.008U	--	00.03U	0.005U 0.075U	0.018U 001.8U	0.015U	--	--
24S/25E-24P01 M	03-00-67	5705	000.6UY	00.01U	00.02U	0.005UY	0.012U	--	00.28U	0.015U 0.017U	0.037U 001.5U	0.021U	--	--
24S/26E-31L02 M	03-00-67	5705	000.6UY	00.35U	00.14U	0.006U	0.012U	--	00.24U	0.005U 0.012U	0.012U 000.6U	000.1U	--	--
25S/25E-11J01 M	03-00-67	5705	000.6UY	0.035U	0.032U	0.005U	00.05U	--	00.25U	0.008U 0.055U	00.09U 004.8U	00.23U	--	--
25S/25E-12C01 M	03-00-67	5705	000.6UY	0.014U	0.055U	0.005UY	0.042U	--	00.46U	0.006U 00.05U	0.013U 000.8U	0.021U	--	--
25S/25E-12P01 M	03-00-67	5705	000.6UY	00.02U	0.035U	0.005UY	0.045U	--	00.24U	0.007U 0.032U	0.075U 006.6U	000.1U	--	--

TABLE E-2 (cont.)
TRACE MINERAL ANALYSES OF GROUND WATER

STATE WELL NO.	DATE	LAB	AL LI	AS MN	BE MO	BI NI	BR PB	CD TI	CO V	CR ZN	CU SR	FE	GA	GE
25S/26E-03R01 M	03-00-67	5705	000.60Y --	00.03U --	0.043U --	0.015U --	0.009U --	--	00.15U --	0.012U 0003.U	00.08U 0006.U	000.5U	--	--
25S/26E-06D01 M	03-00-67	5705	000.60Y --	0.038U --	00.15U --	0.007U --	0.007U --	--	00.12U --	0.005U 0.005U	0.021U 000.8U	00.09U	--	--
25S/26E-12P01 M	09-18-67	5050	--	000.1U --	--	--	--	--	--	--	--	--	--	--
25S/26E-12Q01 M	09-18-67	5050	--	000.1U --	--	--	--	--	--	--	--	--	--	--
25S/27E-08H03 M	08-15-67	5050	--	000.0U --	--	--	--	--	--	--	--	--	--	--
25S/27E-09Q01 M	08-15-67	5050	--	000.1U --	--	--	--	--	--	--	--	--	--	--
25S/27E-11Q01 M	08-15-67	5050	--	000.2U --	--	--	--	--	--	--	--	--	--	--
25S/27E-22H01 M	08-15-67	5050	--	000.1U --	--	--	--	--	--	--	--	--	--	--
25S/27E-23G01 M	09-15-67	5050	--	000.1U --	--	--	--	--	--	--	--	--	--	--
25S/27E-27G01 M	09-19-67	5050	--	000.0U --	--	--	--	--	--	--	--	--	--	--
25S/27E-28G01 M	08-15-67	5050	--	000.1U --	--	--	--	--	--	--	--	--	--	--
25S/27E-28G02 M	08-15-67	5050	--	000.0U --	--	--	--	--	--	--	--	--	--	--
26S/25E-05C01 M	03-00-67	5705	000.60Y --	0.025U --	0.032U --	0.012U --	00.02U --	--	00.13U --	0.016U 0004.U	0.045U 0006.U	0.024U	--	--
26S/25E-05F01 M	03-00-67	5705	000.60Y --	0.017U --	00.02U --	0.008U --	00.08U --	--	00.14U --	0.007U 0.175U	000.4U 003.6U	0.045U	--	--
26S/25E-14P01 M	03-00-67	5705	000.60Y --	0.016U --	0.051U --	0.0050Y --	0.0050Y --	--	00.11U --	0.005U 0.005U	0.007U 001.5U	0.032U	--	--
26S/25E-23R01 M	03-00-67	5705	000.60Y --	0.007U --	0.021U --	0.005U --	0.013U --	--	000.1U --	0.005U 0.055U	0.027U 001.8U	0.015U	--	--



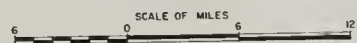
LEGEND

- DISTRICT OR AREA BOUNDARIES
- 5-22.00 NUMBERS INDICATE CODE CLASSIFICATION
- FOOHILL LINE
- BEDROCK LINE
- CALIFORNIA AQUEDUCT AND TURNOUTS
- WELLS MEASURED MONTHLY
- WELLS MEASURED ANNUALLY AND SEMI-ANNUALLY

- DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF +5.0 FEET OR MORE IN THE UNCONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967.
- DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF -5.0 FEET OR MORE IN THE UNCONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967.

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 SAN JOAQUIN DISTRICT

HYDROLOGIC DATA 1967
**GROUND WATER LEVEL CHANGES
 UNCONFINED AND SEMICONFINED AQUIFERS
 AND
 SELECTED OBSERVATION WELLS**





- LEGEND**
- DISTRICT OR AREA BOUNDARIES
 - S-22 00 NUMBERS INDICATE CODE CLASSIFICATION
 - POTTHOLE LINE
 - BEDROCK LINE
 - CALIFORNIA AQUEDUCT AND TUNNELS
 - WELLS MEASURED MONTHLY
 - WELLS MEASURED ANNUALLY AND SEMI-ANNUALLY
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF +5.0 FEET OR MORE IN THE UNCONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF -5.0 FEET OR MORE IN THE UNCONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967

STATE OF CALIFORNIA
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HYDROLOGIC DATA 1967

GROUND WATER LEVEL CHANGES
 UNCONFINED AND SEMICONFINED AQUIFERS
 AND
 SELECTED OBSERVATION WELLS

SCALE OF MAPS

LEGEND

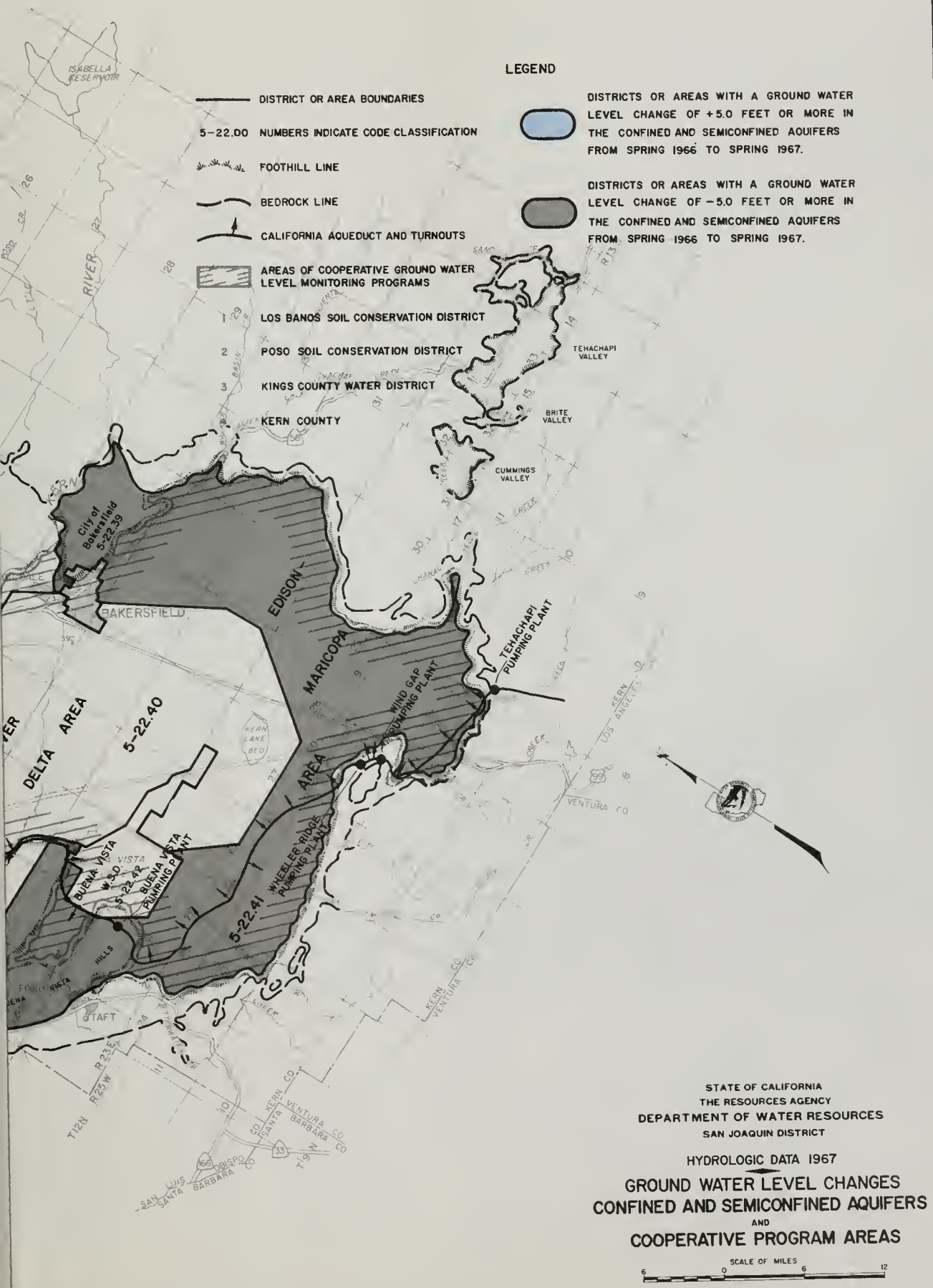
- DISTRICT OR AREA BOUNDARIES
- 5-22.00 NUMBERS INDICATE CODE CLASSIFICATION
- ~ FOOHILL LINE
- - - BEDROCK LINE
- ↑ CALIFORNIA AQUEDUCT AND TURNOUTS
- [Hatched Box] AREAS OF COOPERATIVE GROUND WATER LEVEL MONITORING PROGRAMS
- LOS BANOS SOIL CONSERVATION DISTRICT
- 2 POSO SOIL CONSERVATION DISTRICT
- 3 KINGS COUNTY WATER DISTRICT
- KERN COUNTY



DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF +5.0 FEET OR MORE IN THE CONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967.

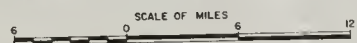


DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF -5.0 FEET OR MORE IN THE CONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967.



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 SAN JOAQUIN DISTRICT

HYDROLOGIC DATA 1967
 GROUND WATER LEVEL CHANGES
 CONFINED AND SEMICONFINED AQUIFERS
 AND
 COOPERATIVE PROGRAM AREAS



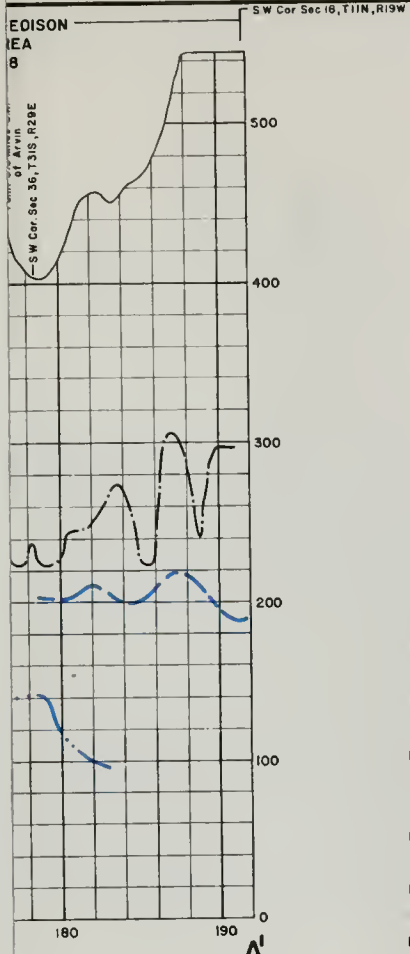


- LEGEND**
- DISTRICT OR AREA BOUNDARIES
 - 5-22 00 NUMBERS INDICATE CODE CLASSIFICATION
 - POOTHILL LINE
 - BEDROCK LINE
 - CALIFORNIA AQUEDUCT AND TURNOUTS
 - ▨ AREAS OF COOPERATIVE GROUND WATER LEVEL MONITORING PROGRAM
 - 1 LOS BANOS SOIL CONSERVATION DISTRICT
 - 2 POZO SUAL CONSERVATION DISTRICT
 - 3 KING COUNTY WATER DISTRICT
 - 4 KERN COUNTY
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF +50 FEET OR MORE IN THE CONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967
 - DISTRICTS OR AREAS WITH A GROUND WATER LEVEL CHANGE OF -50 FEET OR MORE IN THE CONFINED AND SEMICONFINED AQUIFERS FROM SPRING 1966 TO SPRING 1967

STATE OF CALIFORNIA
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 SAN JOAQUIN DISTRICT
 HYDROLOGIC DATA 1967
 GROUND WATER LEVEL CHANGES
 CONFINED AND SEMICONFINED AQUIFERS
 AND
 COOPERATIVE PROGRAM AREAS

SCALE OF MAP





HISTORIC GROUND WATER AREAS

- 1 MAOERA
- 2 FRESNO
- 3 CONSOLIDATED
- 4 CENTERVILLE BOTTOMS
- 5 ALTA
- 6 IVANHOE
- 7 OUTSIDE IVANHOE
- 8 MILL CREEK
- 9 TULARE
- 10 ELK BAYOU
- 11 LINDSAY-EXETER
- 12 TULE RIVER
- 13 LOWER DEER CREEK
- 14 MIDDLE DEER CREEK
- 15 OELANO-EARLIMART
- 16 Mc FARLAND - SHAFTER
- 17 ROSEDALE
- 18 ARVIN-EDISON

Note: See Figure C-1 for Hydrographs of 18 Historic Ground Water Areas.

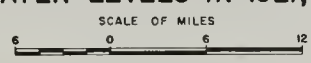


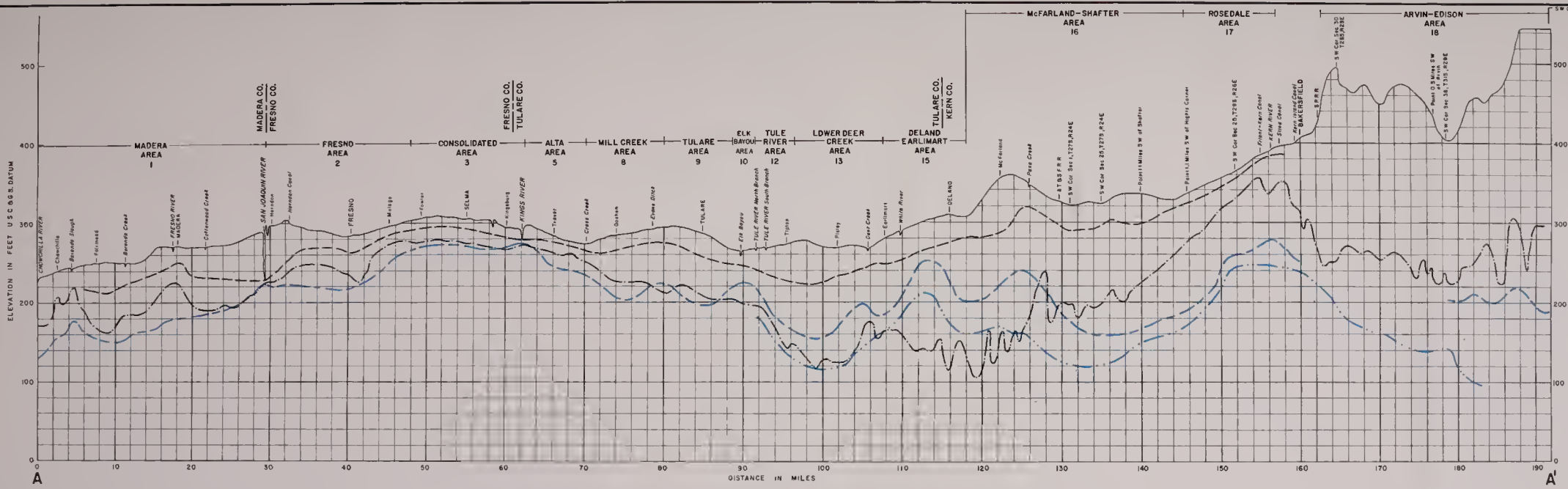
LEGEND

- GROUND WATER AREA BOUNDARIES
- GROUND WATER LEVEL FALL 1921
- GROUND WATER LEVEL FALL 1951
- GROUND WATER LEVEL SPRING 1967, UNCONFINED AQUIFER
- GROUND WATER LEVEL SPRING 1967, PRESSURE SURFACE
- GROUND WATER LEVEL PROFILE SECTION

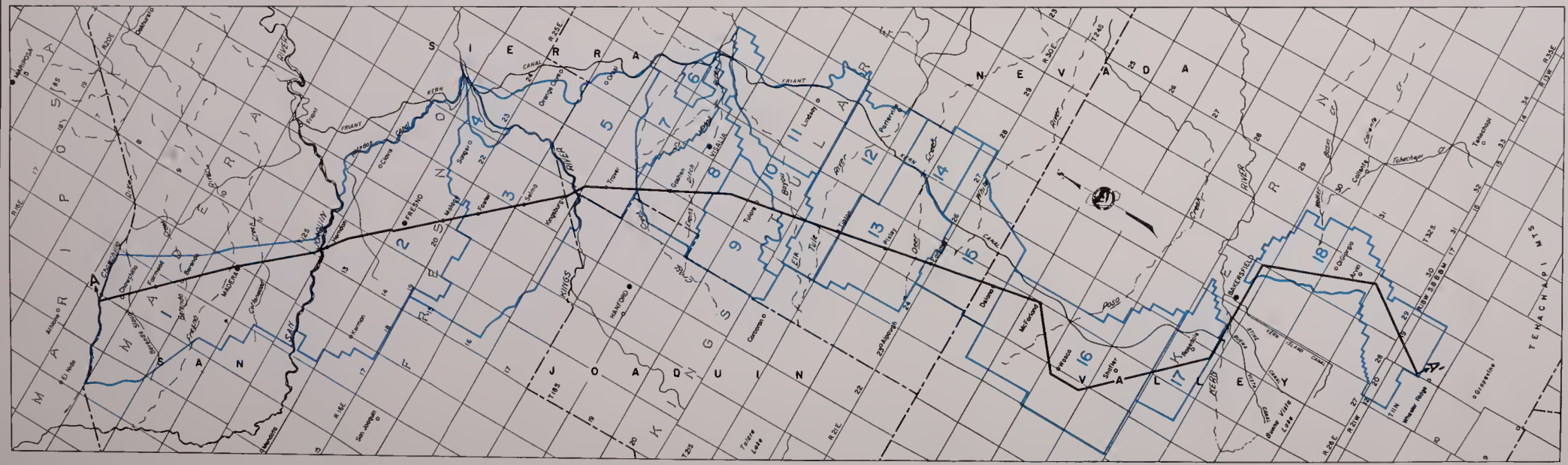
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 SAN JOAQUIN DISTRICT
 HYDROLOGIC DATA 1967

MAP OF 18 HISTORIC GROUND WATER AREAS
 IN SAN JOAQUIN VALLEY
 AND
 PROFILES ALONG SECTION A-A' SHOWING
 GROUND WATER LEVELS IN 1921, 1951 & 1967





- HISTORIC GROUND WATER AREAS**
- 1 MADERA
 - 2 FRESNO
 - 3 CONSOLIDATED
 - 4 CENTERVILLE BOTTOMS
 - 5 ALTA
 - 6 IVANHOE
 - 7 OUTSIDE IVANHOE
 - 8 MILL CREEK
 - 9 TULARE
 - 10 ELK BAYOU
 - 11 LINDSAY-EXETER
 - 12 TULE RIVER
 - 13 LOWER DEER CREEK
 - 14 MIDDLE DEER CREEK
 - 15 DELANDO-EARLIMART
 - 16 MCFARLAND-SHAFTER
 - 17 ROSEDALE
 - 18 ARVIN-EDISON
- Note: See Figure C-1 for Hydrographs at 18 Historic Ground Water Areas.

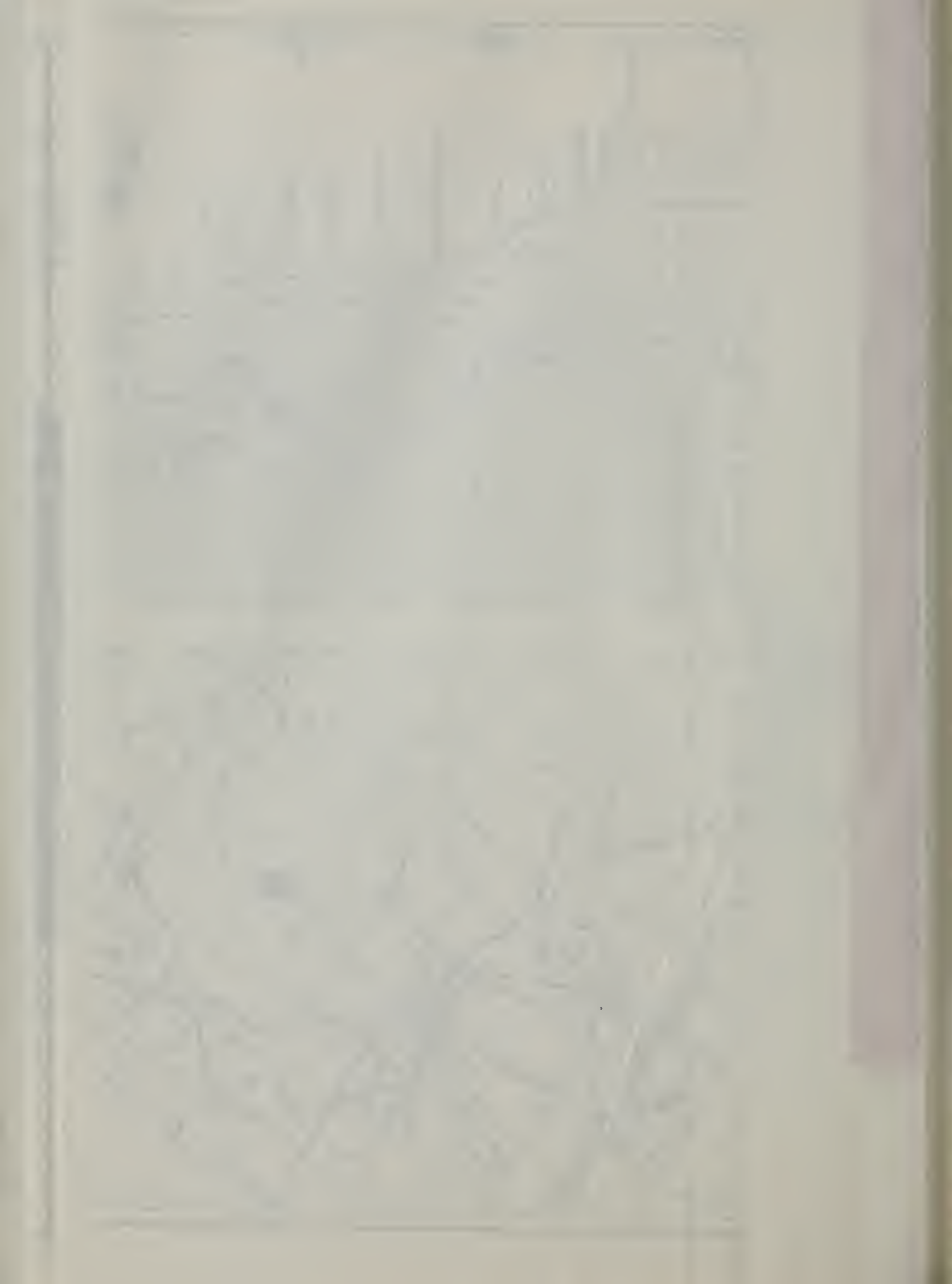


- LEGEND**
- GROUND WATER AREA BOUNDARIES
 - - - GROUND WATER LEVEL FALL 1921
 - - - GROUND WATER LEVEL FALL 1951
 - - - GROUND WATER LEVEL SPRING 1967, UNCONFINED AQUIFER
 - - - GROUND WATER LEVEL SPRING 1967, PRESSURE SURFACE
 - GROUND WATER LEVEL PROFILE SECTION

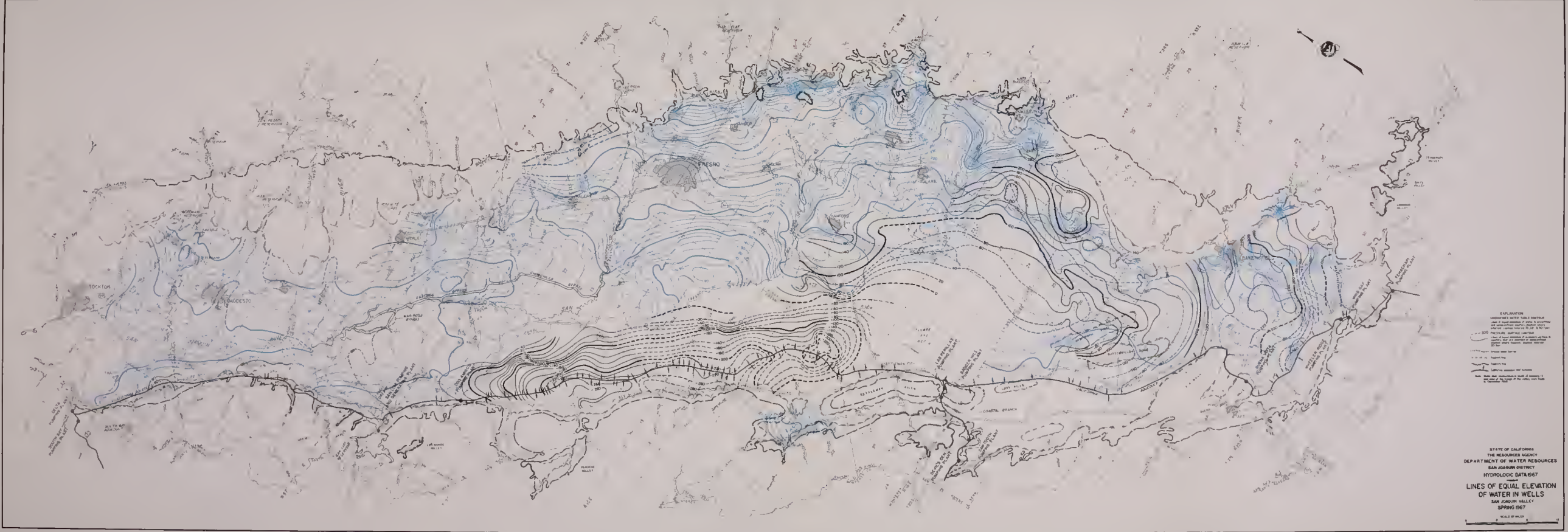
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 SAN JOAQUIN DISTRICT
 HYDROLOGIC DATA 1967

**MAP OF 18 HISTORIC GROUND WATER AREAS
 IN SAN JOAQUIN VALLEY
 AND
 PROFILES ALONG SECTION A-A' SHOWING
 GROUND WATER LEVELS IN 1921, 1951 & 1967**

SCALE OF MILES
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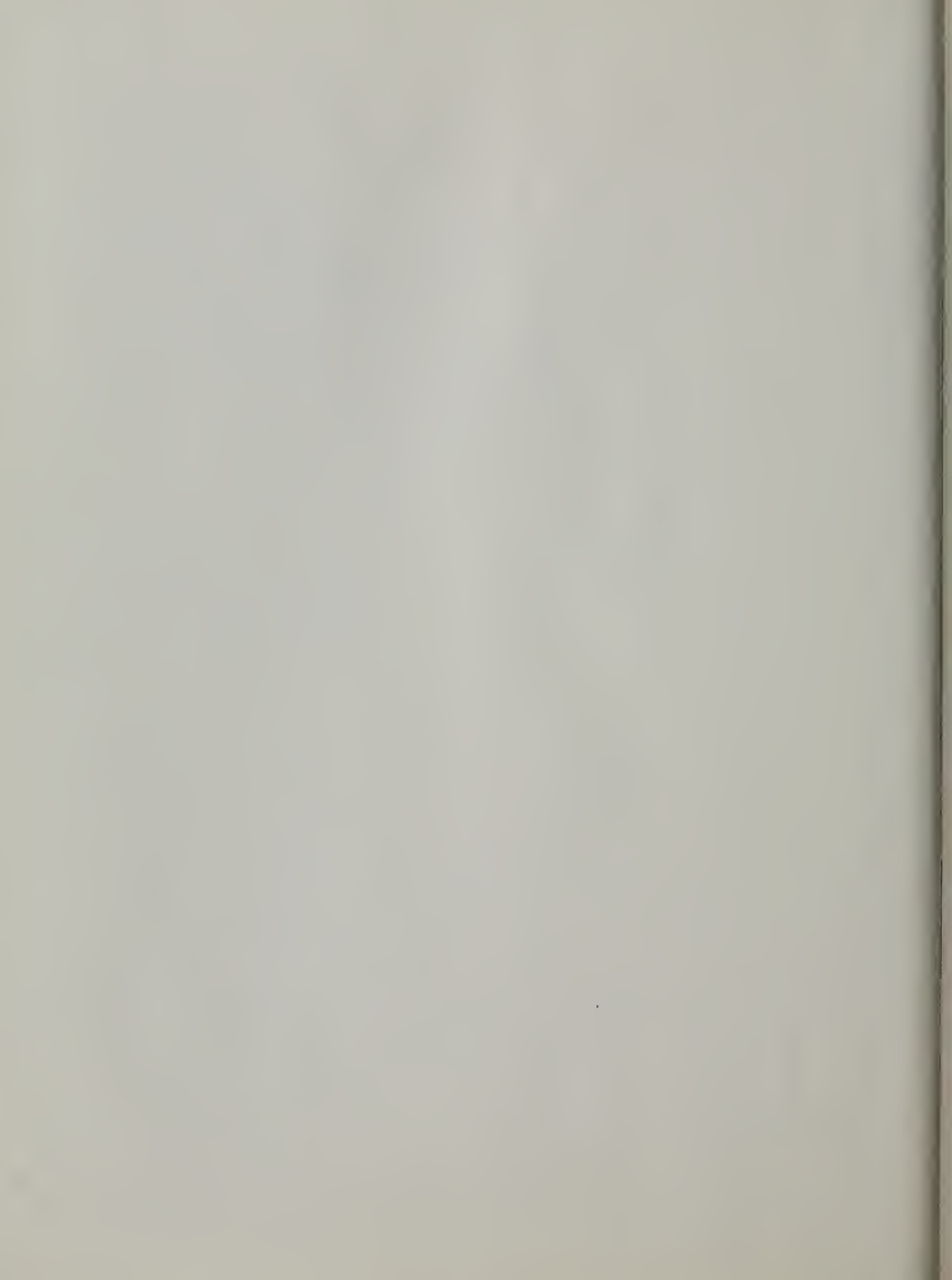




EXPLANATION
 UNDEGRADED WATER TABLE ELEVATION
 DEGRADED WATER TABLE ELEVATION
 100 FEET INTERVAL
 200 FEET INTERVAL
 300 FEET INTERVAL
 400 FEET INTERVAL
 500 FEET INTERVAL
 600 FEET INTERVAL
 700 FEET INTERVAL
 800 FEET INTERVAL
 900 FEET INTERVAL
 1000 FEET INTERVAL
 1100 FEET INTERVAL
 1200 FEET INTERVAL
 1300 FEET INTERVAL
 1400 FEET INTERVAL
 1500 FEET INTERVAL
 1600 FEET INTERVAL
 1700 FEET INTERVAL
 1800 FEET INTERVAL
 1900 FEET INTERVAL
 2000 FEET INTERVAL
 2100 FEET INTERVAL
 2200 FEET INTERVAL
 2300 FEET INTERVAL
 2400 FEET INTERVAL
 2500 FEET INTERVAL
 2600 FEET INTERVAL
 2700 FEET INTERVAL
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 2900 FEET INTERVAL
 3000 FEET INTERVAL
 3100 FEET INTERVAL
 3200 FEET INTERVAL
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 3400 FEET INTERVAL
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 3600 FEET INTERVAL
 3700 FEET INTERVAL
 3800 FEET INTERVAL
 3900 FEET INTERVAL
 4000 FEET INTERVAL
 4100 FEET INTERVAL
 4200 FEET INTERVAL
 4300 FEET INTERVAL
 4400 FEET INTERVAL
 4500 FEET INTERVAL
 4600 FEET INTERVAL
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 4800 FEET INTERVAL
 4900 FEET INTERVAL
 5000 FEET INTERVAL
 5100 FEET INTERVAL
 5200 FEET INTERVAL
 5300 FEET INTERVAL
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 5500 FEET INTERVAL
 5600 FEET INTERVAL
 5700 FEET INTERVAL
 5800 FEET INTERVAL
 5900 FEET INTERVAL
 6000 FEET INTERVAL
 6100 FEET INTERVAL
 6200 FEET INTERVAL
 6300 FEET INTERVAL
 6400 FEET INTERVAL
 6500 FEET INTERVAL
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 6800 FEET INTERVAL
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 7100 FEET INTERVAL
 7200 FEET INTERVAL
 7300 FEET INTERVAL
 7400 FEET INTERVAL
 7500 FEET INTERVAL
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 8000 FEET INTERVAL
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 8300 FEET INTERVAL
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 8500 FEET INTERVAL
 8600 FEET INTERVAL
 8700 FEET INTERVAL
 8800 FEET INTERVAL
 8900 FEET INTERVAL
 9000 FEET INTERVAL
 9100 FEET INTERVAL
 9200 FEET INTERVAL
 9300 FEET INTERVAL
 9400 FEET INTERVAL
 9500 FEET INTERVAL
 9600 FEET INTERVAL
 9700 FEET INTERVAL
 9800 FEET INTERVAL
 9900 FEET INTERVAL
 10000 FEET INTERVAL

STATE OF CALIFORNIA
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 SAN JOAQUIN DISTRICT
 HYDROLOGIC DATA 667
**LINES OF EQUAL ELEVATION
 OF WATER IN WELLS
 SAN JOAQUIN VALLEY
 SPRING 1967**
 SCALE 1:50,000

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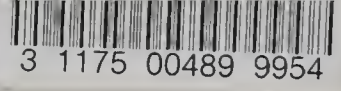
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